







J. W. Nickerson.

CITY DOCUMENTS.

MAYOR'S ADDRESS

TO THE CITY COUNCIL;

CITY GOVERNMENT,

ANNUAL REPORTS, ETC.,

FOR THE YEAR 1887-88.



NEW BEDFORD:
E. ANTHONY & SONS, CITY PRINTERS.
1888.

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ADDRESS
OF
MORGAN ROTCH,
MAYOR OF NEW BEDFORD,
TO THE
City Council,
January 2, 1888.



NEW BEDFORD:
E. ANTHONY & SONS, CITY PRINTERS.
1888.

ADDRESS.

Gentlemen of the City Council:

When, twelve months ago, I had the honor of addressing you from this platform as Mayor of the city, I supposed it would be for the last time ; but circumstances so strange and unaccountable that they could not then be foreseen, and which need not now be alluded to at length, compelled me to change my intention of a year ago. After a severely contested election, at which the largest vote, with one exception, ever polled in the city was given, we were chosen by a very decisive majority to conduct the affairs of the city for the present year. For the noble vindication given me against charges ruthlessly and unjustly made, I am most profoundly grateful, and shall find in it an added stimulus to devoted and earnest efforts to advance all the interests of the city. We are fortunate in finding all these interests in an exceedingly prosperous condition, but it will impose upon us a more strenuous effort to see that no injury shall come to them in our hands. To some of the most important of these I now invite your attention.

FINANCES.

The accounts of the Collector of Taxes and City Treasurer have been presented to me, made up in full to the close of the past financial year. From them I lay before you, in as brief a manner as possible, such items as are of interest and importance to you all.

The assessments for the year were as follows :

TAXES.

State tax,	\$40,522.50
County tax,	38,485.28
City appropriation,	489,700.00
Overlay,	18,075.51
	<hr/>
	\$586,783.29
Collections,	568,014.12
	<hr/>
Balance of taxes uncollected,	\$18,769.17

The credits of the Collector were as follows :

Paid State tax,	\$40,522.50
Paid County tax,	38,485.28
Paid City Treasurer,	460,026.91
Discount,	28,482.32
Abatements by the Assessors,	497.11
	<hr/>
Total,	\$568,014.12

But $3\frac{2}{10}$ per cent. of the whole assessment of 1887 remains unpaid at this date.

The rate of taxation in 1887 was \$17.40 per \$1000, an increase of \$1.40 over the previous year. This was due largely to an increase in the State and County taxes, which make a large proportion of the assessments of the city. Last year they constituted one-seventh of the amount, and about \$20,000 more than for 1886. In addition to the latter named sum, we were required to raise

about \$18,000 in excess of 1886, on account of the permanent debt of the city.

Under Chapter 312 of the Acts of 1885, entitled "An Act to Limit Municipal Debt and the Rate of Taxation," the appropriations for city purposes cannot exceed in any year \$12 per \$1000 of the average of the assessors' valuation of the taxable property for the preceding three years. To this may be added the amounts required for State and County taxes, together with all sums required by law to be raised on account of the city debt, thus showing, as an explanation to the many who are unable to understand why the rate of taxation can exceed \$12 per thousand dollars, that \$12 per thousand is for city purposes and \$5.40 for the State and County taxes, and the sums required for the payment of bonded debt, or \$17.40 for 1887.

The question of national bank taxes so long pending, with the history of which you are all familiar, has at last been settled. The taxes of 1886, amounting to \$62,080, were paid in full in October last, together with interest at the rate of $2\frac{1}{2}$ per cent. from Nov. 1, 1886, to date of payment, amounting to \$1,413.39. The taxes of 1887 were paid without protest, and all pending suits were withdrawn, thus enabling the city to effect a settlement with the Commonwealth, the first time for more than three years. If the bank taxes had been paid when due, with the usual 5 per cent. discount deducted, and 6 per cent. interest reckoned on the net amount to the date of settlement in October last, the city would not have been as well off financially as it is to-day.

The amounts received from the State Treasurer, in settlement of these accounts, were as follows :

Corporation taxes of 1885,	\$38,289.89
“ “ 1886,	46,415.29
“ “ 1887,	58,202.11
Tax on ships in foreign trade,	1,942.34
Tax from national banks out of the city,	3,616.88
	<hr/>
	\$148,466.51

Of the taxes of 1886 and previous years, the collections amounted to \$42,116.32.

RECEIPTS AND EXPENDITURES.

The receipts and expenditures the past year, including balance of cash in the treasury, Jan. 3, 1887, have been as follows :

Balance, Jan. 3, 1887,	\$4,050.62
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Received from Collector of Taxes :

Taxes, 1887,	\$460,026.91	
“ 1886,	39,309.45	
“ 1885,	2,573.12	
“ 1884,	215.02	
“ 1883,	163.48	
“ 1882,	67.25	
Received from other sources,	759,367.64	1,261,722.87
Total amount of receipts, including balance,		<hr/> \$1,265,773.49
Expenditures, as per warrants of the Mayor,		1,251,586.82
		<hr/>
Balance, Jan 2, 1888,		\$14,186.67

The receipts for water rates are included in the foregoing statement.

Amount received from rates in 1887,	\$45,663.49
Amount received from rates in 1886,	43,584.68
	<hr/>
Increase,	\$2,078.81

APPROPRIATIONS.

The appropriations for the past year have been as follows :

General appropriations,	\$509,700.00
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SPECIAL APPROPRIATIONS.

City stable and lot,	\$23,252.85	
Cemeteries,	8,200.00	
Court Street school-house lot,	4,500.00	
Highways and streets,	5,000.00	
New Bedford & Fairhaven bridge,	2,200.82	
Police station, Bowditch and Weld streets,	350.00	
Public schools,	4,975.00	
Repairs of city property,	800.00	
Sewers,	48,742.88	
Union street extension,	4,139.99	102,161.54

Total sum appropriated,	\$611,861.54
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Special appropriations as above,	\$102,161.54
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Special appropriation of 1886 unprovided for,	5,424.19
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Special appropriations of 1886 and 1887,	\$107,585.73
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Deduct from this the sum now standing to the credit of unappropriated funds,	58,820.98
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Amount to be provided for the present year,	\$48,764.75
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This sum, \$48,764.75, is \$6,659.44 less than the deficiency of 1886.

MUNICIPAL DEBT.

The indebtedness of our city at this time, both permanent and temporary, may be stated as follows :

Water bonds, 7s,	\$150,000.00
“ “ 6s,	340,000.00
“ “ 5s,	100,000.00
“ “ 4s,	100,000.00
Bridge bonds,	15,000.00
Sewer bonds, 4s,	40,000.00
“ “ 3½s,	75,000.00
Improvement bonds, 6s,	223,000.00
“ “ 3½s,	140,000.00
Total amount bonds outstanding,	\$1,183,000.00

The amount of trust funds is as follows :

Sylvia Ann Howland bequest,	\$100,000.00	
Library funds,	4,100.00	
Cemetery funds for the care of lots,	5,514.93	
Jonathan Bourne prize fund,	1,000.00	110,614.93
		<hr/>
		\$1,293,614.93
Temporary debt,		40,000.00
		<hr/>
Total debt,		\$1,333,614.93

Deduct from this sum :

Balance of cash, Jan. 2, 1888,	\$14,186.67	
Amount due from State,	6,054.25	
Taxes collectable,	16,101.94	
Sewer taxes due,	7,015.07	
Sinking funds,	32,575.14	75,933.07
		<hr/>
Net debt at this date,		\$1,257,681.86

A slight reduction of \$2,395.43 since one year ago.

The issue of bonds during the year 1887 was as follows :

Improvement bonds, 3½s,	\$35,000.00	
Sewer bonds, 3½s,	15,000.00	
		<hr/>
		\$50,000.00
Payment of Water bonds, 7s,	\$10,000.00	
“ “ 6s,	20,000.00	
“ Bridge bonds, 6s,	5,000.00	
“ Sewer bonds, 4s,	10,000.00	45,000.00
		<hr/>
Increase of bonded debt,		\$5,000.00

On account of the payment of bonds at a high rate of interest, and the issue of bonds at a low rate, the difference of interest is \$850 per year in favor of the city.

WATER WORKS.

It is scarcely necessary to call your attention to the great importance of keeping this department in such condition as to fully meet all the requirements of this growing community. There was consumed the past year about

1100 million gallons of water. This is an increase of about 30 per cent. in six years. Thus the demand is rapidly increasing, and at a rate which in a few years will make an additional conduit necessary. This will involve a heavy expenditure, which should be postponed as long as possible. A large proportion of our daily consumption is wasted. Many consumers place little value on the water, and allow it to constantly run from their faucets. A general application of meters will alone put a stop to this deliberate waste.

I would again call the attention of the City Council to the large amount of defective plumbing on the premises of water-takers. The Water Board does not possess the power to compel as high a grade of work as should always be placed in connection with the water mains, and I would again recommend the passage of an ordinance covering this point. Such an ordinance should be similar to that in force in most cities of the size of our own.

The legislature of last year passed a very favorable act, granting the city full rights regarding the use of the water of Little Quittacus pond. A satisfactory settlement has been made with, and deeds have been taken from, the various land owners on the line of connection between Little Quittacus and the head waters of our storing reservoir. The channel which was so quickly opened last year has been deepened and straightened and put in such shape that our present storing reservoir may be quickly replenished at any time.

All the pumping appliances are in excellent condition. About fifteen thousand feet of pipe have been laid the

past year, making a total of about fifty-four miles now in use.

Another important section of the new leading main has been laid this season, connecting the 24-inch main in Mt. Pleasant street with that laid in 1886 in Pleasant street, south of the Common. It is proposed during the coming year to further extend this main from its present terminus on Pleasant street, opposite the Library building, to connect with the Union street main.

The outgoing City Council authorized an issue of bonds amounting to \$20,000, to be placed to the credit of the water department. This is to be used to meet the expense of extending the main in Acushnet avenue, from its present terminus at Coggeshall street northerly to Lund's corner.

Very favorable contracts have been made for supplies needed in extending the works the coming year.

PUBLIC SCHOOLS.

Probably few of our citizens have any idea of the magnitude of our public school system, and for your information as well as theirs I will give a few facts in reference thereto. We have 25 school-houses, accommodating about 4600 scholars, and they require the services of 151 teachers. To maintain these schools, an annual expenditure of about \$103,000 is required. This sum is considerably more than one-quarter of the current expenses of the city each year. Although it may seem large to you, yet I believe it is all needed and judiciously spent for the promotion of that great safeguard of our republican in-

stitutions, the free education of all our people, irrespective of race or creed. Yet with all these facilities, the rapid growth of our city has made it necessary to provide for still further accommodations. With this end in view the last City Government purchased a lot of land for a new school-house, and the present crowded condition of our schools makes it imperative that the new building should be erected before the beginning of the next school year. I would therefore recommend that you give the subject your early consideration.

It has been suggested that the new school-house should bear the name of our late Superintendent of Schools, Rev. Henry F. Harrington, and the suggestion is a good one. To us who were his contemporaries, there is no need of any monument to remind us of his faithful and devoted service. We can never forget the slender and delicate form moving amongst us, within which dwelt a mighty heart, every throb of which was beating in harmony with the best interests of our schools. But it is fitting that for our children and for our children's children his name should be kept living and familiar, as of one who without stint poured his own life into our public schools until they stood unrivalled in the Commonwealth, a model of all that is best and noblest in the system of public education.

STREETS AND SEWERS.

As chairman of the committee on highways, this department has been largely under my personal supervision, and it gives me great satisfaction to believe that our streets are in better condition to-day than they have ever

been before. A very large amount of macadamizing has been done during the past year, — more, I believe, than in any previous year. Our two new stone crushers have been almost constantly in use, and have given entire satisfaction. Although the expense of macadamizing is large, yet each year its economy is shown in the decrease of the expenditures for repairs. The rapid growth of our city has added largely to the number of miles of streets, yet the appropriations for this department during the past year were no greater than the amount expended twelve years ago.

Many new sewers have been built during the year, and the health of our city would seem to make it imperative that this expense should continue in proportion to our growth.

The large trunk sewer built in 1886 through Bonney and Rockland streets has been continued the past year through Oak and Grape streets for a considerable distance. I think it will be advisable to still further continue this work the coming year.

A long needed improvement was inaugurated last year by the purchase of a lot for a new city stable, and in contracting for the erection of a stable thereon in the Spring. The lot is large enough to accommodate the stationary stone crusher, and for the storage of all material used by the department. It is expected that the total cost of the lot and buildings will be covered by the amount derived from the sale of the so-called Library square and the land now occupied by the city stables.

POLICE DEPARTMENT.

During the past year Capt. James L. Wilber has been the acting Chief of Police, and has performed the duties of that office to my entire satisfaction. Early in the year I requested him to take the position of Chief, but he declined it. I have failed to find any one who would accept the office, who, in my opinion, would fully discharge its duties and bring the force up to the standard of efficiency which I desired, as well as he. I recognize, however, the desirability of having a chief of the department, and trust the services of a suitable man may soon be secured. I believe the force, as a whole, will compare favorably with that of any of the cities of the Commonwealth. After careful inquiry, I find that the pay of our police force is below that of the other cities of the State. I believe that the character of the duty which a policeman may be called upon to perform, and the liability to permanent injury, entitles him to a generous compensation. I recommend, therefore, an increase in their pay, and ask you to give this subject your early attention, that proper provision may be made in the appropriation for this department.

LIQUOR LICENSES.

The question of licensing the sale of intoxicating liquors has been answered in the affirmative by a very large majority of our citizens. I believe the liquor traffic is best controlled by a wisely regulated application of the license law. The Board of Aldermen, however, by the laws of the Commonwealth, are made sole judges of the number of licenses that shall be granted, the amount of the fee,

and the fitness of the applicant for a license ; and, gentlemen of the Board of Aldermen, I desire to impress upon you the importance of using this power in such a manner that the best results may be obtained from a license system. When you have done your part it will become my duty to see to it that the restrictive provisions which the law imposes are thoroughly enforced, and this I assure you shall be done to the best of my ability.

FIRE AND OTHER DEPARTMENTS.

In relation to the Fire Department, Street Lights and Public Buildings, I have nothing particular to recommend at the present time.

The high standard of efficiency and good management of former years has been maintained in the Fire Department during the past year, and the increase in the annual pay of the call men to \$75, made in the early part of the year, was a well merited recognition of their faithful services.

CEMETERIES.

More money than usual was appropriated the past year for our cemeteries, and a large amount of work has been accomplished, which adds very materially to their attractiveness. I hope the appropriation for the coming year will be as liberal as the condition of our finances will warrant, in order that the good work begun under our present excellent superintendent may be continued.

The Oak Grove cemetery has been enlarged the past year, by the purchase of a large tract of land adjoining it on the north.

POOR DEPARTMENT.

We have now had a year's trial of the new system inaugurated in this department, and I am convinced it is a great improvement over the old system.

Although the Board of Overseers of 1886 effected a saving of between six and seven thousand dollars, as compared with the previous two or three years, it gives me great satisfaction to state that the expenses of the department for 1887 have been still further reduced by about \$1500, and this saving, I am convinced, has not been at the expense of any of the deserving poor. The net amount expended during the year is about \$33,500.

CONCLUSION.

Since we last met in this hall Abraham H. Howland, Jr., a former mayor of this city, has passed away from this life. He was the son of the first mayor of the city, of one who with signal ability and fidelity conducted its affairs through five consecutive years of its early life. It is not saying too much when we say that the son was worthy of the father. By many amiable traits of character, coupled with more than ordinary ability, he won his way through many gradations to the highest office in an honorable association of our citizens. His name will be held in affectionate remembrance, not only within the limits of that family circle of which he was an ornament and support, but in the wider circle of friends and acquaintances throughout the Commonwealth.

Within the past year death has also removed from our number Michael Dugan, a councilman from Ward Five,

who by his several years of faithful service in the government has left a worthy record and an honorable name.

And now, gentlemen, let me admonish you that inasmuch as your fellow-citizens, confiding in your honesty and ability, have placed in your hands the care of the interests of this great and growing city, a deep obligation rests with you to give to their consideration careful and unremitting attention. Not one interest alone, but all must be cared for. Turning a deaf ear to specialists, who would try to turn your whole thought and action in one direction, you should rather imitate the practice of the wise and good physician, who with unsleeping watchfulness would see to it that the whole body is kept in good condition, knowing well that no part can be neglected without injury to the whole.

We have asked for the blessing of an all-wise Providence upon our labors. Let us always remember that no blessing can come unless by faithful effort we show ourselves to be worthy of it.

CITY GOVERNMENT,

1888.

MAYOR.

MORGAN ROTCH.

ALDERMEN.

Ward 1—JAMES E. STANTON.

Ward 2—CHARLES W. COGGESHALL.

Ward 3—CHARLES S. ASHLEY.

Ward 4—STEPHEN A. BROWNELL.

Ward 5—WENDELL H. COBB.

Ward 6—MONROE HOLCOMB.

CITY CLERK.

DANIEL B. LEONARD.

TREASURER AND COLLECTOR OF TAXES.

JAMES H. HATHAWAY.

CITY AUDITOR.

WILLIAM B. TOPHAM.

CITY MESSENGER.

AUGUSTUS D. PIPER.

COMMON COUNCIL.

PRESIDENT—STEPHEN D. PEIRCE.

Ward One.

EDWARD F. DAHILL,
JAMES W. KANE,
JOSEPH DAWSON,
JOSEPH C. PATNAUDE.

Ward Four.

EUGENE R. LEVERETT,
ANDREW G. PIERCE, JR.,
THOMAS D. DEXTER,
HARRY A. SMITH.

Ward Two.

JOHN L. GIBBS,
JEREMIAH M. TABER,
GEORGE PICKENS,
ROBERT ARNETT, JR.

Ward Five.

STEPHEN D. PEIRCE,
FREDERICK A. BRADFORD,
GILBERT D. KINGMAN,
WILLIAM N. CHURCH, JR.

Ward Three.

JOHN A. GOMLEY,
GILBERT K. BROWNEILL,
JOHN J. HOWLAND,
JAMES FERGUSON.

Ward Six.

FREDERICK W. MOSHER,
CHARLES J. MCGURK,
WILLIAM B. SMITH,
JOHN A. LEE.

CLERK—WILLIAM A. MACKIE.

STANDING COMMITTEES OF THE BOARD OF MAYOR AND ALDERMEN.

Police—The Mayor, Aldermen Coggeshall and Brownell.*Licenses*—Aldermen Cobb, Holcomb and Ashley.*Laying out, Widening and Repairing Streets*—The Mayor, Aldermen Holcomb and Brownell.*Burial Grounds*—Aldermen Coggeshall, Stanton and Ashley.*Enrollment*—Aldermen Stanton, Cobb and Ashley.*Soldiers' Aid*—The Mayor, Aldermen Cobb and Holcomb.

JOINT STANDING COMMITTEES OF THE CITY COUNCIL.

Finance—The Mayor and Alderman Cobb, the President of the Common Council, and Councilmen Dahill, Arnett, Howland, H. A. Smith and Mosher.*Audit*—Aldermen Stanton and Coggeshall, Councilmen Lee, Patnaude and Church.*City Property*—Aldermen Coggeshall and Holcomb, Councilmen Leverett, Brownell and Kane.

Fuel—The Mayor and Alderman Stanton, Councilmen Wm. B. Smith, Patnaude and Dexter.

Education—Aldermen Cobb and Ashley, Councilmen Bradford, Howland and Ferguson.

Fire Department—Aldermen Ashley and Stanton, Councilmen Gomley, McGurk and A. G. Pierce, Jr.

Roads, Bridges and Sewers—Aldermen Stanton and Brownell, Councilmen Leverett, Lee and Dawson.

Charities, Alms-house and the Poor—Aldermen Holcomb and Coggeshall, Councilmen Mosher, Brownell and Pickens.

Street Lights—Aldermen Coggeshall and Stanton, Councilmen Gomley, Gibbs and W. B. Smith.

Printing—Alderman Brownell, Councilmen McGurk and Dexter.

Buildings in the Fire District—Aldermen Ashley and Holcomb, Councilmen Gomley, Gibbs and McGurk.

Armories and Military Property—Aldermen Holcomb and Ashley, Councilmen Brownell, Taber and Ferguson.

Water Works and Water Supply—Aldermen Brownell and Cobb, Councilmen Kane, A. G. Pierce, Jr., and Church.

Claims—Aldermen Cobb and Brownell, Councilmen Wm. B. Smith, Bradford and Kingman.

Ordinances—Aldermen Brownell and Coggeshall, Councilmen Arnett, Dahill and H. A. Smith.

STANDING COMMITTEES OF THE COMMON COUNCIL.

Elections and Returns—Messrs. Leverett, Dawson and Taber.

Bills in Second Reading—Messrs. Mosher, Pickens and Kingman.

Enrolled Ordinances and Resolutions—Messrs. Lee, Kane and Dexter.

ASSESSORS.

Office, Library Building.

DAVID B. WILLCOX, Chairman, 3 years.

CHARLES D. TUELL, 2 years. WILLIAM A. RUSSELL, 1 year.

ASSISTANT ASSESSORS.

Ward 1—JAMES DOYLE.

Ward 2—OTIS TINKHAM.

Ward 3—SAMUEL H. PERRY.

Ward 4—MARSHALL T. MILLS.

Ward 5—JOHN D. RODGERS.

Ward 6—FRANK PAUL.

BOARD OF HEALTH.

Office, City Hall Building.

WILLIAM N. SWIFT,	Term expires February, 1889.
NATHANIEL HATHAWAY,	Term expires February, 1889.
THOMAS W. COOK,	Term expires February, 1890.

NATHANIEL HATHAWAY, Chairman.

WILLIAM N. SWIFT, City Physician and Quarantine Physician.
The City Physician is *ex officio* a member of the Board.

HEALTH INSPECTOR.

WILLIAM E. MACOMBER.

INSPECTOR OF PLUMBING.

LOUIS H. RICHARDSON.

NEW BEDFORD WATER WORKS.

NEW BEDFORD WATER BOARD.

His Honor MORGAN ROTCH, Mayor, *ex officio* President.

STEPHEN D. PEIRCE, President of the Common Council, <i>ex officio</i> .	
HENRY HOWARD,	Term expires June, 1888.
DAVID B. KEMPTON,	Term expires June, 1889.
WILLIAM N. CHURCH,	Term expires June, 1890.

CLERK.

ROBERT C. P. COGGESHALL.

WATER REGISTRAR.

JAMES H. HATHAWAY.

Office, Room 2, Library Building.

SUPERINTENDENT.

ROBERT C. P. COGGESHALL.

Office, City Hall Building.

INSPECTOR.

LOUIS H. RICHARDSON.

Office, Room 2, Library Building.

COMMISSIONERS OF SINKING FUND.

WILLIAM H. MATHEWS,	Term expires March, 1889.
ISAAC W. BENJAMIN,	Term expires March, 1890.
WILLIAM A. CHURCH,	Term expires March, 1891.

ISAAC W. BENJAMIN, Chairman.

JAMES H. HATHAWAY, Secretary and Treasurer.

OVERSEERS OF THE POOR.

CHARLES B. H. FESSENDEN,	Term expires May 1, 1889.
GEORGE S. HOMER,	Term expires May 1, 1890.
JONATHAN HOWLAND, JR.,	Term expires May 1, 1891.

SECRETARY—C. B. H. FESSENDEN.

Assistant—ELLA F. BUCKLIN.

SUPT. OF ALMS-HOUSE—PELEG S. MACY.

PHYSICIAN—JAMES H. KINGMAN.

FREE PUBLIC LIBRARY.

TRUSTEES.

Ex officio. Term expires January, 1889.

MORGAN ROTCH, Mayor of the City.

STEPHEN D. PEIRCE, President of the Common Council.

WENDELL H. COBB, Alderman and Chairman of the Committee of the City Council on Education.

Elected by the City Council.

ARTHUR G. GRINNELL,	Term expires April, 1889.
LEONARD B. ELLIS,	Term expires April, 1889.
GEORGE H. DUNBAR,	Term expires April, 1890.
GEORGE HOWLAND, JR.,	Term expires April, 1890.
ISAAC B. TOMPKINS, JR.,	Term expires April, 1891.
MATTHEW C. JULIEN,	Term expires April, 1891.

PRESIDENT OF THE BOARD.

THE MAYOR.

CLERK.

GEORGE H. DUNBAR.

COMMITTEES.

On the Library—The Mayor, George Howland, Jr., Cobb and Julien.

On the Building—Messrs. Peirce, Tompkins and Ellis.

On Binding and Blanks—Messrs. Grinnell and Dunbar.

SUPERINTENDENT OF THE LIBRARY.

GEORGE H. DUNBAR.

LIBRARIAN.

ROBERT C. INGRAHAM.

ASSISTANT LIBRARIAN.

WILLIAM L. R. GIFFORD.

ASSISTANTS.

JOSEPHINE A. MERRICK,

MARY E. BROWN,

SUSIE H. GAMMONS.

JANITOR.

YORICK W. AMES.

CITY SOLICITOR.

ARTHUR E. PERRY.

Office, 36 North Water street.

SUPERINTENDENT OF STREETS AND SEWERS.

NATHANIEL H. GREENE.

Office, Library Building.

SUPERINTENDENT OF BURIAL GROUNDS.

WILLIAM SANDERS.

Office at Sanders & Barrows, 67 and 69 William street.

SEALER OF WEIGHTS AND MEASURES.

WILLIAM R. SHERMAN.

INSPECTOR OF BUILDINGS.

FREDERICK MACY.

SUPERINTENDENT OF CITY CLOCK.

CLIFFORD BAYLIES.

CITY BELL RINGER.

ISAAC BARNES.

CITY LAND SURVEYOR.

ALBERT B. DRAKE.

HARBOR MASTER.

HENRY L. PITMAN.

SUPERINTENDENT OF BRIDGE, AND DRAW TENDER.

JOHN B. NICHOLSON.

INSPECTOR OF PETROLEUM AND VINEGAR.

HARRISON DELANO.

Office, No. 17 Middle street.

INSPECTOR OF MILK AND PROVISIONS.

SAMUEL H. DAMMON.

Office, 71 William street, Waite's Building.

REGISTRARS OF VOTERS.

EMANUEL SULLAVOU, Term expires May, 1889.

HERBERT A. BLACKMER, Term expires May, 1890.

THOMAS F. DESMOND, Term expires May, 1891.

DANIEL B. LEONARD, City Clerk, *ex officio*.

Office, Basement City Hall Building.

PRECINCT OFFICERS.

Term of office expires Nov. 1, 1888.

WARD 1, PRECINCT 1.

Warden, WILLIAM J. ARIGAN, D.

Clerk, WARREN P. TOBEY, R.

Inspector, JOSEPH DAWSON, D.

" EDGAR F. TRIPP, R.

Deputies.

Warden, STEPHEN FINNELL, D.

Clerk,

Inspector, JOSEPH SULLIVAN, D.

" JOHN F. KIRK, R.

WARD 1, PRECINCT 2.

Warden, GEORGE P. MACOMBER, R.

Clerk, K. CLIFTON TERRY, D.

Inspector, SAMUEL T. ELDRIDGE, R.

" MICHAEL F. KANE, D.

Deputies.

Warden, GEORGE W. HILLMAN, R.

Clerk, MICHAEL E. SULLIVAN, D.

Inspector, GEORGE B. BORDEN, R.

" DANIEL J. SULLIVAN, D.

WARD 2, PRECINCT 3.

Warden, JACOB B. HADLEY, D.
Clerk, MYRON W. BROWNELL, R.
Inspector, GEORGE T. HADLEY, D.
" STEPHEN HAFFORD, JR., R.

Deputies.

Warden, DAVID B. PIERCE, D.
Clerk, CHARLES T. BURGESS, R.
Inspector, SAMUEL C. FRANCE, D.
" THOMAS C. ROBBINS, R.

WARD 2, PRECINCT 4.

Warden, DAVID W. HOLMES, R.
Clerk, J. FRANKLIN KEENE, D.
Inspector, GEORGE K. DAMMON, R.
" JOSEPH P. CLARK, D.

Deputies.

Warden, WILLIAM L. G. BROWN, R.
Clerk, ALLEN W. TINKHAM, D.
Inspector, SAMUEL R. BROWNELL, R.
" CHARLES L. CHURCH, D.

WARD 3, PRECINCT 5.

Warden, JAMES C. STAFFORD, D.
Clerk, JAMES D. ALLEN, R.
Inspector, JOHN NOTTER, D.
" LYCURGUS H. HOWLAND, R.

Deputies.

Warden, HORATIO G. DEAN, D.
Clerk, CHARLES H. ADAMS, R.
Inspector, HENRY F. HAMMOND, D.
" SAMUEL H. PERRY, R.

WARD 3, PRECINCT 6.

Warden,
Clerk, B. FRANKLIN WORDELL, R.
Inspector, STEPHEN W. MCFARLIN, D.
" BENJAMIN F. JENNEY, R.

Deputies.

Warden, HAYDEN PARKER, D.
Clerk, C. J. R. CARSON, R.
Inspector, CHARLES W. HOWLAND, D.
" WILLIAM E. JOHNSTON, R.

WARD 4, PRECINCT 7.

Warden, WILLIAM B. TOPHAM, R.

Clerk, WALTER R. MYRICK, D.

Inspector, AUGUSTUS D. PIPER, R.

" FREDERICK A. BROWNELL, D.

Deputies.

Warden, JAMES B. RUSSELL, R.

Clerk, GEORGE S. HOYT, D.

Inspector, CHARLES N. ALLEN, R.

" GEORGE P. GIFFORD, D.

WARD 5, PRECINCT 8.

Warden, WILLIAM H. SHERMAN, D.

Clerk, ALBION T. BROWNELL, R.

Inspector, GEORGE P. RICHARDSON, D.

" JOHN K. MCAFEE, R.

Deputies.

Warden,

Clerk, ARTHUR C. SPOONER, R.

Inspector, ISAAC C. SHERMAN, D.

" GEORGE H. H. ALLEN, R.

WARD 5, PRECINCT 9.

Warden, HENRY S. SWAIN, R.

Clerk, HENRY A. GRAY, D.

Inspector, STANDISH BOURNE, R.

" THOMAS A. CODD, D.

Deputies.

Warden, EDWARD D. MANDELL, JR., R.

Clerk, DAVID H. MORRISSEY, D.

Inspector, ROBERT R. TOPHAM, R.

" WILLIAM A. DEAN, D.

WARD 6, PRECINCT 10.

Warden, JAMES R. DENHAM, R.

Clerk, LEANDER A. WILLISTON, D.

Inspector, HENRY B. WORTH, R.

" FRANK P. P. TUELL, D.

Deputies.

Warden, HERBERT S. PIERCE, R.

Clerk, GEORGE E. BRIGGS, D.

Inspector, CHARLES F. BRIGGS, R.

" GEORGE NELSON, D.

WARD 6, PRECINCT 11.

Warden, HERBERT B. GARDNER, R.
Clerk, N. HERBERT GREENE, D.
Inspector, WILLIAM W. BONNEY, R.
“ E. EDWARD ENOS, D.

Deputies.

Warden, CLARENCE R. SHERMAN, R.
Clerk,
Inspector, MARSHALL S. GREENE, R.
“ MICHAEL STAPLETON, D.

VOTING PRECINCTS.

WARD ONE.

Precinct 1. All that portion of said ward lying northerly of a line drawn through the centre of Cedar Grove, Purchase, Linden, Ashland and Durfee streets, thence continuing in a straight line to the boundary line between the town of Dartmouth and the city of New Bedford.

Voting place, Ward room, corner of Weld and Bowditch streets.

Precinct 2. All that portion of said ward lying southerly of the aforesaid division line.

Voting place, Howland Chapel, 588 Purchase street.

WARD TWO.

Precinct 3. All that portion of said ward lying east of a line drawn through the centre of Thomas, Sycamore and County streets, to a point at the intersection of a line formed by the extension of a line through the centre of Franklin street.

Voting place, Ward room on Willis street.

Precinct 4. All that portion of said ward lying west of the aforesaid division line.

Voting place, carpenter shop of Loum H. Faunce, rear of 57 Parker street.

WARD THREE.

Precinct 5. All that portion of said ward lying east of a line drawn through the centre of Summer street, from the centre of Middle to the centre of Maxfield street.

Voting place, Ward room Kempton street, near County.

Precinct 6. All that portion of said ward lying west of aforesaid division line.

Voting place, police station, Mill street, near Ash.

WARD FOUR.

Precinct 7. The entire ward, including the islands known and called Pope's and Fish island.

Voting place, City Hall.

WARD FIVE.

Precinct 8. All that portion of said ward lying easterly of a line drawn through the centre of Fifth street, from the centre of Wing street to the centre of Bedford street, thence through Bedford and South Sixth streets to the centre of Spring street.

Voting place, Ward room on Fourth street, near School.

Precinct 9. All that portion of said ward lying westerly of the aforesaid division line.

Voting place, No. 4 engine-house, Bedford street.

WARD SIX.

Precinct 10. All that portion of said ward lying easterly of a line drawn through the centre of Fifth street, from its intersection with the centre of Wing street, thence through Grinnell, Fourth and Rivet streets, Acushnet avenue, Division and Water streets, to and along the centre of French avenue south to tide water.

Voting place, store No. 158 South Water street.

Precinct 11. All that portion of said ward lying westerly of the aforesaid division line.

Voting place, Ward room on Sherman street.

FIRE DEPARTMENT.

CHIEF ENGINEER.

FREDERICK MACY, Term expires January, 1893.

Office, City Hall Building.

ASSISTANT ENGINEERS.

First—LORING T. PARLOW, Term expires January, 1891.

Second—PLINY B. SHERMAN, Term expires January, 1890.

Third—AUGUSTUS A. WOOD, Term expires January, 1889.

Fourth—HUGH McDONALD, Term expires January, 1888.

CLERK OF BOARD OF ENGINEERS.

LUTHER G. HEWINS, JR.

POLICE DEPARTMENT.

CHIEF.

JOHN COREY, 20 Crapo street.

CAPTAINS.

LUTHER M. DAYTON, 194 Summer street.

JAMES L. WILBER, 73 State street.

LIEUTENANTS.

SETH E. BRYANT, Mt. Pleasant, cor. of Durfee street.

DANIEL A. BUTLER, 57 Maxfield street.

FREDERICK HUSSEY, 46 State street.

ELLERY PEIRCE, 1 Court street.

THOMAS J. TAFT, 490 Acushnet avenue.

HEALTH INSPECTOR.

WILLIAM E. MACOMBER, 15 Sherman street.

PATROLMEN.

LEMUEL D. ADAMS, 54 Fourth street.

EDGAR W. ALLEN, Parker street, west of Shawmut avenue.

TIMOTHY C. ALLEN, Cor. Grinnell and Orchard streets.

JAMES W. ARNETT, 75 Willis street.

JOHN W. BRADY, 314 County street.

MILTON A. BROWNELL, 133 Fourth street.

HENRY W. BUMPUS, 78 Walden street.

PATRICK CANNAVAN, North Chancery, near Parker street.

WILLIAM J. CLARKE, North Chancery, cor. Parker street.

THOMAS W. COMSTOCK, 75 Campbell street.

JOSEPH H. DALEY, 432 Pleasant street.

JAMES DOWDEN, 35 Mill street.

PETER DUMEC, 314 South Water street.

WASHINGTON A. ELDRIDGE, 81 Thomas street.

THOMAS FAY, Blackmer, near South First street.

GEORGE E. GENDRON, 592 Purchase street.

FRANKLIN L. HATHAWAY, 208 County street.

THOMAS D. HOWLAND, 103 Maxfield street.

DANIEL J. HUMPHREY, 215 Fourth street.

ARTHUR H. JONES, Mt. Pleasant, cor. of Durfee street.

JOHN M. JONES, 48 Cottage street.

PATRICK KENNEDY, 100 Bedford street.

DAVID G. KIRBY, 80 Purchase street.

ALLEN L. LEE, 5 Spruce street.

JAMES MITCHELL, West Maxfield, cor. of Park street.

WILLIAM H. MITCHELL, 6 Maxfield street.

LEWIS S. MOORE, JR., Hillman, west of Florence street.

ROBERT MOYNAN,	121 Cedar street.
CORNELIUS J. MURPHY,	16 Cannon street.
GEORGE W. PAIGE,	1 Court street.
JOHN C. PARKER,	119 Austin street.
CRAWFORD S. PIERCE,	9 Bedford street.
H. WARREN RHODES,	514 Purchase street.
JOHN C. ROOKS,	Fourth street.
ELISHA E. RUSSELL,	285 Acushnet avenue.
JOHN SAVAGE,	125 Allen street.
JOSEPH DE L. SISSON,	11 Elm street.
HENRY STEVENS,	78 Bedford street.
TIMOTHY SULLIVAN,	64 Austin street.
CHARLES H. TABER,	626 Purchase street.
GEORGE VOGEL,	3 Lindsey street.
JOHN H. WILLIAMS,	27 Chancery street.
THOMAS H. WILSON,	247 Middle street.
JOSEPH B. WING,	478 Purchase street.
JAMES A. WIXON,	Wing Building, Purchase street.
MOTIN YANCY,	9 Emerson street.

POLICE MATRON.

MARGARET S. BULLARD.

CONSTABLES.

THE MEMBERS OF THE POLICE FORCE, AND
SAMUEL C. PERRY.

KEEPER OF THE LOCK-UP.

DANIEL A. BUTLER.

SPECIAL POLICE OFFICERS.

Allen, Lewis G.,	Brock, Shubael F.,	Chase, Ariel,
Allen, Thomas T.,	Brown, William L. G.,	Childs, Cyril M.,
Allen, William H.,	Buckley, Alfred R.,	Clark, William,
Austin, John H. C.,	Burding, Hiram,	Clarkson, Nicholas J.,
Barber, John R.,	Burgess, Stephen,	Clynes, Thomas,
Barker, Robert T.,	Burke, Michael I.,	Collins, John,
Barnes, Isaac,	Burke, William,	Conklin, Abraham,
Bennett, Jeremiah H.,	Butts, Henry R., Jr.,	Corish, John,
Bently, Frank T.,	Butts, Squire W.,	Corley, Maurice C.,
Blackwell, Scipio,	Carr, Henry,	Cornell, Charles F.,
Bliss, Frederick P.,	Carr, James E.,	Cornell, Sidney I.,
Bliss, William H.,	Carson, C. J. R.,	Cornell, Stephen,
Booth, Benjamin T.,	Chadwick, Charles T.,	Crafts, James,
Bradford, Edgar,	Chase, Albert A.,	Cronin, Cornelius,

Cushman, Frederick,	Jones, John M.,	Phillips, Henry T.,
Dammon, George K.,	Jordan, William,	Pierce, Thomas H.,
Dammon, Samuel H.,	Joseph, John,	Pinelle, Joseph,
Davis, Otis A.,	Karcher, Fredk., Sr.,	Pinkham, George W.,
Delano, Harrison,	Kelley, Hiram C.,	Piper, Augustus D.,
Devine, Patrick,	Kennedy, Thomas,	Pitman, Henry L.,
Donaghy, Joseph,	Kent, James D. T.,	Place, William, Jr.,
Duckworth, William A.,	Kimball, Sylvester,	Pollock, John H.,
Dugan, Edward,	King, Joseph T.,	Quinn, Joseph,
Dugan, James W.,	Lapham, George W.,	Read, George P.,
Durfey, Richard T.,	Law, Peter G.,	Read, Richard A.,
Eldridge, Samuel T.,	Lawrence, Cyrus T.,	Remington, John G.,
Engeland, George,	Leary, Dennis, Jr.,	Reynolds, James R.,
Etchell, Edward,	Lincoln, Ellery C.,	Ritchie, David,
Ferguson, William,	Lincoln, John,	Robbins, Charles H.,
Finn, Michael,	Little, John E.,	Russell, George W. G.,
Fitzgerald, James,	Lumbert, John,	Russell, Henry C.,
Flavin, Maurice F.,	Luther, Joseph P.,	Russell, James B.,
Francis, Frank W.,	McCarty, Bernard F.,	Salmon, John,
Fuller, Jonathan A.,	McCullough, Robert,	Sampson, Warren W.,
Geddis, Henry S.,	McDermot, Michael,	Shaw, Thomas W. B.,
Gibbs, Preston H.,	McGlynn, John,	Shea, Michael J.,
Gibbs, William H. H.,	Macomber, H. M.,	Shields, Charles M.,
Gifford, John,	Marr, William J.,	Small, David S.,
Grant, Lafayette,	Marshall, Charles A.,	Smith, Henry,
Greene, Marshall S.,	Martin, Henry T.,	Smith, Henry H.,
Harrington, J., Clark st.,	Maxfield, Russell,	Spooner, Caleb,
Hicks, William,	Mehan, John,	Spooner, Joseph W.,
Hillman, George W.,	Miller, George,	Staples, Elias,
Hines, Henry S.,	Miskell, John,	Stevens, Michael,
Holden, George,	Morgan, Elias T.,	Stopford, James I.,
Holloway, James T.,	Morrison, Thomas,	Sullivan, John D.,
Holmes, Ezra,	Netcher, George F.,	Taber, Charles H.,
Holmes, John J.,	Nicholson, John B.,	Taber, Christopher C.,
Howard, Henry,	Oliver, John,	Taber, Gideon L.,
Howland, Joseph B.,	Omey, Joseph C.,	Taber, William H.,
Howland, William G.,	Otto, Frederick,	Taft, Daniel F.,
Jacob, Julien,	Paine, Nathan L.,	Tallman, Edward S.,
Jay, James A.,	Palmer, Robert,	Taylor, Theodore,
Jenifer, John H.,	Parker, Charles W.,	Taylor, William A.,
Jenney, Ezra T.,	Partington, William,	Thomas, Edward, Jr.,
Johnson, Oscar,	Peckham, Samuel W.,	Thomas, William W.,
Johnson, W. H., Smith	Peed, Thomas J.,	Thompson, Thomas,
street,	Peirce, Anthony, Jr.,	Thompson, John H.,
Jones, Isaac M.,	Perry, Samuel C.,	Tinkham, John S.,

Tinkham, Otis,	Underwood, Willis C.,	Willis, Rufus H.,
Townley, Richard,	Warfield, James H.,	Williston, Hiram L.,
Tripp, Benjamin E.,	Watts, William H. C.,	Wilson, John,
Tripp, Holder R.,	Weeden, Charles H. L.,	Wood, Charles N.,
Tripp, Le Roy G.,	Wilbur, Allen R.,	Wood, James A.
Tuell, Charles D.,	Wiley, James,	

MEMBERS OF THE NEW BEDFORD PROTECTING SOCIETY.

(Special Police Officers to serve at fires.)

Akin, Francis T.,	Hillman, Charles B.,	Russell, William A.,
Allen, Edward H.,	Howland, John J.,	Sanford, Gardner T.,
Allen, George H. H.,	Kelley, Charles S.,	Shaw, Edward S.,
Allen, Gideon, Jr.,	Kingman, G. D.,	Smith, William T.,
Allen, Gilbert,	Knowles, Thomas H.,	Snow, Robert,
Boardman, Thomas,	Lawton, Charles H.,	Swift, Frederick,
Bourne, Standish,	Lewis, Edgar R.,	Swift, Leander H.,
Bly, O. Frank,	Lowe, John H.,	Swift, R. W.,
Briggs, George E.,	Manchester, P. F.,	Taber, Charles M.,
Case, Charles A.,	Maxfield, Edmund F.,	Taylor, Henry J.,
Coggeshall, R. C. P.,	Nye, Willard, Jr.,	Taylor, Henry W.,
Dawson, Joseph,	Paine, Charles L.,	Taylor, William T.,
Denison, Henry C.,	Parker, James N.,	Terry, Francis C.,
Denison, John H.,	Parlow, George F.,	Tillinghast, Joseph,
Dews, Edwin,	Perry, Arthur E.,	Vincent, Mark T.,
Dias, Joseph,	Pierce, Edward T.,	Washburn, F. A.,
Dunham, Ernest A.,	Pitman, William H.,	West, William R.,
Fiske, Willis W.,	Plummer, Charles W.,	Wilbor, Alfred G.,
Gardner, Edward R.,	Potter, William F.,	Wilde, Edmund L.,
Gifford, Frank H.,	Read, William F.,	Willis, William H.,
Grinnell, Edmund,	Robbins, Arthur E.,	Wood, Edmund,
Hadley, A. W.,	Robinson, William A.,	Wood, Horace,
Hammond, Henry F.,	Rotch, Morgan,	Wood, Thomas F.,
Handy, Jonathan,	Richardson, Louis H.,	Woodman, William O.
Haskell, Charles M.,		

MEASURERS OF WOOD AND BARK.

Akin, John E.,	Cobb, George A.,	Howland, Ebenezer,
Allen, Abram A.,	Dammon, Samuel,	Jenney, Ezra T.,
Allen, Daniel H.,	Davis, John,	Leavitt, Clark,
Ashley, A. Davis,	Greene, N. Herbert,	Lawrence, Thomas W.,
Bates, John A., Jr.,	Grinnell, Andrew B.,	Lewis, Obed B.,
Chace, Ira M.,	Holmes, Albert W.,	Lowe, John H.,
Comey, Charles M.,	Howland, Abram H.,	McFarlin, Stephen W.,

Moulton, Frederick F.,	Shaw, Stephen E.,	Warfield, James H.,
Negus, Adoniram S.,	Smith, John,	Weeden, William W.,
Notter, John,	Spooner, William E.,	Weeks, Henry T.,
Pickens, George,	Sylvia, Joseph L., Jr.,	Wilcox, Henry R.,
Potter, Edwin L.,	Taber, Edward C.,	Wood, Elihu,
Reed, Benjamin H.,	Tripp, Augustus C.,	Wordell, Wilson I.
Russell, William H.,		

SURVEYORS OF LUMBER.

Beetle, John H.,	Croacher, Thomas W.,	Randall, Charles G.,
Briggs, Charles,	Hayes, Lemuel W.,	Russell, William H.,
Carpenter, George,	Howland, John W.,	Sowle, Nathaniel P.,
Chase, Abram,	Jenney, Leonard,	Terry, C. A. V.

MEASURERS OF GRAIN.

Bowman, Seth G.,	Comey, Charles M.,	Taber, Gideon L.
Chace, Ira M.,	Horton, Charles M.,	

WEIGHERS OF COAL.

Agard, Charles W.,	Holmes, Albert W.,	Shurtleff, Lewis T.,
Bates, John A., Jr.,	Howard, Henry,	Simmons, Eber C.,
Brownell, Charles E.,	Howland, John J.,	Southwick, William H.,
Chace, Ira M.,	Howland, Samuel A.,	Stanton, James E., Jr.,
Comey, Charles M.,	Johnson, Benjamin W.,	Stevens, Dennis L.,
Cornell, Sidney J.,	Lumbard, Joseph W.,	Sylvia, Joseph L., Jr.,
Corson, Henry T.,	Negus, A. S.	Taber, Robert B.,
Corson, James A.,	Neal, John A.,	Tripp, John E.,
Hathaway, B. F., Jr.,	Parker, Frank C.,	Wilbur, A. R.,
Hathaway, Franklin,	Reed, Edmund A.,	Wilson, Wallace B.,
Hathaway, James L.,	Sherman, Philip S.,	Wordell, Wilson I.
Hathaway, John G.,		

CITY WEAHERS.

Agard, Charles W.,	Clare, William H.,	Gibbs, Edward J.,
Akin, John E.,	Cobb, George A.,	Gibbs, William H. H.,
Ashley, Roland R.,	Comey, Charles M.,	Gifford, Charles H.,
Bates, John A., Jr.,	Cornell, Sidney J.,	Gifford, James A.,
Brownell, Charles E.,	Corson, Henry T.,	Gifford, Nathaniel W.,
Browning, Mrs. Clark,	Corson, James A.,	Gifford, Richmond A.,
Brownson, Leonard,	Davis, James, 2d,	Gifford, Robert B.,
Card, Frederick W.,	Duff, John,	Grant, Lafayette,
Chace, Ira M.,	Field, Edward H.,	Greene, Nathaniel H.,
Chase, Ariel,	Gammons, Edgar H.,	Haskell, Frank C.,

Hassett, James,	Manchester, Caleb,	Spooner, Charles S.,
Hathaway, B. F., Jr.,	Maxfield, Russell,	Stanton, James E., Jr.,
Hathaway, Franklin,	Murphy, James,	Stratton, Charles S.,
Hathaway, James L.,	Neal, John A.,	Sullivan, Jeremiah,
Hathaway, John G.,	Negus, A. S.,	Taber, Robert B.,
Holmes, Albert W.,	Norris, Thomas B.,	Taft, Daniel F.,
Horton, Charles M.,	O'Conner, Cornelius,	Tillinghast, Edward L.,
Howard, Charles H.,	Parker, Frank C.,	Tobey, Franklin, Jr.,
Howard, Henry,	Potter, Edwin L.,	Tripp, John E.,
Howland, Edward S.,	Powers, James,	Vierick, Louis A.,
Howland, Samuel A.,	Reed, Benjamin H.,	Wade, Waldo,
Jenney, Ezra T.,	Reed, Edmund A.,	Weeks, Henry T.,
Jennings, George L.,	Rich, Walter I.,	Wilbur, Allen R.,
Johnson, Benjamin W.,	Sherman, Philip S.,	Wilson, Wallace B.,
Lee, John A.,	Silvester, Charles H.,	Wood, Henry L.,
Lumbard, Joseph W.,	Simmons, Eber C.,	Wordell, Wilson I.
Macy, Frederick B.,	Southwick, William H.,	

WEIGHERS OF BOILERS AND HEAVY MACHINERY.

Silvester, Charles H.,	Sisson, William H. H.
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FENCE VIEWERS.

Cobb, George A.,	Denham, James R.,	Russell, John A.
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POUND KEEPERS.

Cushman, Frederick,	Manchester, John B.,	Scott, Henry.
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FIELD DRIVERS.

The Police, and Frederick Cushman, William H. Johnson (Smith st.),
 John B. Manchester, John G. Remington, Henry Scott.

1888—CITY DOCUMENT No. 3.

CITY OF NEW BEDFORD, MASS.

EIGHTEENTH ANNUAL REPORT

OF THE

NEW BEDFORD WATER BOARD,

TO THE

CITY COUNCIL,

CONTAINING:

I.

The Report of the New Bedford Water Board for the year 1887.

II.

The Report of the Water Registrar.

III.

The Report of the Superintendent.

DECEMBER 31, 1887.

NEW BEDFORD:

E. ANTHONY & SONS, CITY PRINTERS.

1888.

New Bedford Water Board,

1888.

MORGAN ROTCH,

Mayor of the City.

STEPHEN D. PIERCE,

President of the Common Council.

HENRY HOWARD.

DAVID B. KEMPTON.

WILLIAM N. CHURCH.

CLERK OF THE WATER BOARD, AND SUPERINTENDENT.

ROBERT C. P. COGGESHALL.

WATER REGISTRAR.

JAMES H. HATHAWAY.

FOREMAN.

FRANK M. ASHLEY.

PUMPING STATION.

ADONIRAM S. NEGUS, *Pumping Engineer.*

R E P O R T.

CITY OF NEW BEDFORD,
OFFICE OF THE NEW BEDFORD WATER BOARD,
December 31st, 1887.

To the City Council of the City of New Bedford :

GENTLEMEN, — In accordance with the provision of the City Ordinance, we now place before you the eighteenth annual Report of the New Bedford Water Board.

Accompanying this document, and constituting a part of it, will be found the Reports of the Superintendent, City Treasurer and Water Registrar.

We make the following abstract from the Report of James H. Hathaway, City Treasurer and Water Registrar :

Balance, December 1st, 1886,	\$26,105.81
Receipts for the year, all sources,	62,591.44
	<hr/>
	\$88,697.25

The charges have been as follows :

Expenditures for management and repairs,	\$26,208.05
Expenditures for ordinary extensions,	39,058.55
	<hr/>
	\$65,266.60

Which leaves a balance to the credit of the works, on the books of the City Treasurer, December 1st, 1887, of	\$23,430.65
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The actual outlay for the construction of these works, December 1st, 1887, exclusive of debt, interest, and management and repair account, is \$1,298,460.76.

The Report of the Superintendent places before you a comprehensive statement concerning the operations of the

past season, together with a full exhibit of the present condition of the works.

In view of the almost total failure of the storing reservoir, during the drought of last year, it would manifestly be unwise to further place dependence entirely upon this source.

In our last annual Report we presented this matter with considerable detail.

The necessary steps to secure the full right to use the waters of Little Quittacas pond were at once taken by your Council, and as the result of such action the Legislature, during its session of 1887, passed the following bill :

Chapter 114 of the Acts of 1887.

AN ACT RELATING TO THE WATER SUPPLY OF THE CITY OF NEW BEDFORD.

Be it enacted, etc., as follows :

SECT. 1. In taking and using the waters of Little Quittacas pond, as provided for in chapter one hundred and forty of the acts of the year eighteen hundred and seventy-eight, the city of New Bedford shall not be liable to pay any other damages than the state itself would be legally liable to pay.

SECT. 2. Said waters may be directed by said city into its storing reservoir in the town of Acushnet, or in the conduit therefrom or to both of the same as it may be deemed from time to time desirable ; and said city shall have power to take and hold by purchase or otherwise lands, and build and maintain conduits to such ends, and also such lands on each side of such conduits as may be deemed necessary or prudent, not exceeding two and one-half rods on either side, and may from time to time take and hold, by purchase or otherwise, such land or lands around the margin of said pond, not exceeding five rods in width, as may be deemed necessary for the preservation, control and purity of the waters thereof ; and the method of condemning lands shall be as provided in said chapter one hundred and forty of the acts of the year eighteen hundred and seventy-eight.

SECT. 3. Any provisions of law, so far as they are inconsistent herewith, are hereby repealed.

SECT. 4. This act shall take effect upon its passage. [*Approved March 24, 1887.*]

This Act is in every respect as favorable for the interests of the city as the Board could have desired to secure.

Soon after the passage of this Act negotiations were commenced with the landowners to secure the lands through which the connections between Little Quittacas pond and the head waters of the storing reservoir would pass. This has been satisfactorily accomplished, and in every instance deeds have been taken, thus securing to this department the control of all lands needed for future operations.

At the point of connection with Little Quittacas pond, the "Duffy farm," so-called, on the west, and other land lying at the east has also been purchased, thus giving ample facilities for the prosecution of the work of constructing the proposed conduit, at the same time enabling us to maintain the purity of the supply at that point.

Early in the year the Superintendent was directed to improve the channel which was so hastily reopened over a year ago, by deepening, straightening, &c., that in case of necessity an ample supply might be quickly obtained from Little Quittacas pond.

This has been done, and it is proposed to maintain this connection in its present condition until such time that a permanent conduit shall be placed.

The extensive repairs to the waste-way and gate-house, at the Wilson dam, which was left in an unfinished condition last year, has been fully completed this season.

A device has been applied, in connection with the "high duty" Worthington engine, which secures the necessary pressure to the compensating cylinders in a different manner than heretofore. The heated parts of this engine have been recovered with the Chalmer Spence Co. air space covering.

15,075 feet of main distribution pipe has been laid. The total mileage of pipe now in use is $54\frac{3786}{10000}$ miles.

The number of service supplies which have been placed the past season is 270. Total number now in use, 5495.

Fifty-three petitions have been received for the extension of main pipe; of this number forty-seven have been granted.

An important section of the new leading main has been completed, viz., in State street, from Linden north, and diagonally across the Common to the end of the pipe in Pleasant street at Pearl. Connection has also been made at the corner of State and Linden streets with a pipe leading from the twenty-four inch main in Mt. Pleasant street. It is proposed to continue this leading main, during the coming year, from its present terminus in Pleasant street, opposite the Library building, through Pleasant, William and Sixth streets, to Union street.

The action taken by you authorizing the issue of bonds to the amount of twenty thousand dollars, said sum to be placed to the credit of this department, enables us to include in the work of the coming year an extension of the main pipe from its present terminus in Acushnet avenue at Coggeshall street, northerly to Lund's Corner. This pipe is to be connected with mains leading from the Purchase street main at Sawyer street and at Coffin avenue.

A contract was signed on the ninth day of the present month with the Warren Foundry and Machine Co., of Phillipsburg, N. J., to supply the necessary amount of cast-iron pipe and special castings needed for the work of the coming year, at prices varying from \$30 to \$30.20 for straight pipe, and 2½ cents per pound for special castings. The delivery to be made next April.

In conclusion, we take pleasure in stating that all the officers and employes have discharged their various duties with commendable zeal and fidelity, and have invariably

manifested a praiseworthy desire to promote the interests of the department.

MORGAN ROTCH,	}	New Bedford Water Board.
WM. A. CHURCH,		
HENRY HOWARD,		
DAVID B. KEMPTON,		
WM. N. CHURCH,	}	

REPORT OF THE WATER REGISTRAR.

CITY OF NEW BEDFORD,
WATER REGISTRAR'S OFFICE,
December 1, 1887.

To the New Bedford Water Board:

GENTLEMEN, — I herewith present to you the annual statement of my accounts as Water Registrar, for the year ending at this date.

The several accounts are arranged in the following order, viz. :

1. The receipts for the year from all sources.
2. A classified statement of disbursements for the year.
3. A recapitulation of the outlay for the year, showing the net expenditures under each head.
4. A general recapitulation of the outlay from the commencement of the works to this date.
5. The sources of income applied to construction account.
6. Water debt and payments made on account of the same.

CREDITS TO THE NEW BEDFORD WATER WORKS.

Balance, December 1, 1886,			\$26,105.81
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Receipts for water :

Rates,	\$45,608.43		
Appropriations,	12,000.00	\$57,608.43	

Receipts on account of services :

Services,	\$3,842.66		
Meters,	339.25		
Fines,	24.00	4,205.91	

Received for mains, &c. :

Main pipe sold,	\$515.97		
Hydrants,	13.38	529.35	

Receipts from other sources :

Sale of hay,	\$143.75		
Rents,	104.00	247.75	62,591.44

Receipts, including balance, Dec. 1, 1886,			\$88,697.25
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Expenditures for the year ending December 1, 1887,			65,266.60
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Balance, cash in treasury, December 1, 1887,			\$23,430.65
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EXPENDITURES FOR 1887.

MANAGEMENT AND REPAIRS.

Engineering and superintendence,	\$3,461.85		
Water registrar, inspection, and clerk hire,	2,732.49	\$6,194.34	

Pumping expenses :

Engineers, fireman, and watchman,	\$3,867.85		
Fuel for pumping engines,	4,626.78		
Alterations to engine No. 3,	633.51		
Repairs to No. 1,	46.40		
Repairs to No. 2,	31.49		
Repairs to boilers,	56.04		
Oil, waste, packing, gas, &c.,	557.69		
Other supplies,	94.81	9,914.57	

Incidentals :

Boiler insurance and inspection,	\$337.50		
Scales,	50.19		
Watchman's time-clock,	153.45		
Machine tools,	101.28		
Other expenditures,	169.25	811.67	

Engine-house and lot :			
Maintenance,		957.70	
Mains :			
Main pipe, gates, hydrants, &c.,	\$1,109.92		
Carting and other expenses,	42.63	1,152.55	
Services :			
Plumbing,	\$267.75		
Labor and stock,	193.60		
New stop-boxes and clean-taps,	327.88		
Carting and other expenses,	42.00	831.23	
Fountains and meters,		134.61	
Reservoirs and conduit :			
Repairs to receiving and distributing reservoir and stand-pipe,	\$737.85		
Repairs to storing reservoir, dam and conduit,	90.87	828.72	
Special repairs :			
Repairs to Ansel White homestead,	\$364.70		
Repairs to gate-house, storing reservoir,	359.80		
Repairs to waste-way, storing reservoir,	503.07		
Repairs to gate-house, distributing res- ervoir,	675.00	1,902.57	
Incidentals,		3,480.09	26,208.05
EXTENSIONS.			
Mains :			
Main pipe and special casting,	\$15,304.22		
Labor, laying mains,	6,149.39		
Lead, carting, &c.,	2,018.11		
Other supplies, &c.,	743.66	24,215.38	
Stop-gates, hydrants, &c.,		2,734.39	
Services :			
Service pipe, lead and iron,	\$2,038.98		
Labor laying services,	1,802.64		
Taps, stops, boxes, and other expenses,	1,961.04	5,802.66	
Fountains and meters,		1,864.32	
Extension to Little Quittacas :			
Paid for land,	\$1,974.39		
Survey, and examination of titles,	238.00		
Labor on ditch,	1,197.65		
Sundry supplies,	174.98		
Preliminary charges, &c.,	828.52	4,413.54	

Special:

Engine-house addition,	\$7.14		
Repairs to old engine-house,	21.12	28.26	39,058.55
Total expenditures for the year,			<u>\$65,266.60</u>

NET EXPENDITURES UNDER EACH HEAD.

MANAGEMENT AND REPAIRS.

Outlay, as above stated,			\$26,208.05
Deduct from this amount:			
Hay sold,	\$143.75		
Rents,	104.00		
Fines,	24.00		271.75
			<u>\$25,936.30</u>

EXTENSIONS.

Pipe, labor, and expense laying mains,	\$24,215.38		
Deduct from this amount:			
Pipe sold,	515.97		
	<u>\$23,699.41</u>		

SERVICES.

Outlay, as above stated,	\$5,802.66		
Less amount received from takers,	3,842.66	1,960.00	

HYDRANTS, FOUNTAINS, METERS, &C.

Outlay as above, viz.:			
Stop-gates, hydrants, &c.,	\$2,734.39		
Fountains and meters,	1,864.32		
	<u>\$4,598.71</u>		
Deduct from this amount:			
Meters and hydrants sold,	352.63	4,246.08	29,905.49

SPECIAL.

Extensions to Little Quittacas,	\$4,413.54		
Engine-house addition, &c.,	28.26		4,441.80
Net expenditures for 1887,			<u>\$60,283.59</u>

CONDENSED STATEMENT.

DEBITS.

Net expenditures for the year,	\$60,283.59	
Balance unexpended,	23,430.65	\$83,714.24

CREDITS.

Balance, December 1, 1886,	\$26,105.81	
Received for water,	57,608.43	\$83,714.24

GENERAL SUMMARY.

The whole outlay upon the works to this date has been as follows :

Conduit,	\$212,307.89
Dam,	18,845.24
Distributing reservoir,	73,740.62
Distribution,	607,589.95
Engine-house and lot,	91,228.40
Engines and foundations,	88,169.46
Storing reservoir,	53,496.06
Receiving reservoir,	33,360.27
Pump-well and culvert,	16,561.41
White homestead,	4,000.00
Peckham road,	512.00
Preliminary,	2,605.34
Engineering,	23,511.88
Salaries,	9,225.00
Incidentals,	7,843.18
Management and repairs,	316,540.78
Fountains and hydrants, meters, &c.,	13,169.27
Work-shop, North Water street,	5,598.75
Property, North Water street,	900.00
Land, State street,	350.00
New force main,	23,958.30
Inspection,	5,570.39
Temporary connection with Little Quittacas,	1,503.81
Little Quittacas extension, purchase of land, surveys, &c.,	4,413.54
	<hr/>
	\$1,615,001.54

Payments of interest on debt,	48,388.14
Water bonds paid, 6 per cent.,	20,000.00
	<hr/>
	\$1,683,389.68
Balance, December 1, 1887,	23,430.65
	<hr/>
	\$1,706,820.33

The receipts from the commencement of the works to this date have been as follows, viz. :

Appropriations by City Council,	\$1,018,000.00
Received for water,	688,820.33
	<hr/>
	\$1,706,820.33
Deduct amount above stated,	1,683,389.68
	<hr/>
Balance at this date,	\$23,430.65
Outlay as above,	\$1,683,389.68

Deduct from outlay :

Amount paid for management and repairs,	\$316,540.78
Interest paid,	48,388.14
Bonds paid,	20,000.00
	384,928.92
	<hr/>
Actual cost of works to date,	\$1,298,460.76

Total receipts for water,	\$688,820.33
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Deduct from this :

Amount paid for maintenance, debt and interest,	384,928.92
	<hr/>
Water receipts applied to construction,	\$303,891.41

The funds for the construction of the water works have been derived from the following named sources :

Investment of Sylvia Ann Howland educational bequest,	\$100,000.00
Sylvia Ann Howland water bequest,	100,000.00
Receipts from sale of bonds,	795,000.00
Net receipts for water applied to this account,	303,891.41
Appropriations for construction in 1885,	23,000.00
	<hr/>
	\$1,321,891.41
Deduct balance, December 1, 1887,	23,430.65
	<hr/>
Net cost of works, as above stated,	\$1,298,460.76

The water debt at this time is as follows :

Water bonds, 7 per cent.,	\$150,000.00
“ 6 “	340,000.00
“ 5 “	100,000.00
“ 4 “	100,000.00
Sylvia Ann Howland bequest for educational purposes, 6 per cent.,	100,000.00
	<hr/>
	\$790,000.00

The appropriations by the City Council for 1887 were as follows :

Water bonds, 6 per cent.,	\$20,000.00
Water bonds, 7 per cent.,	10,000.00
Interest on bonds,	41,800.00
Interest on trust funds,	6,000.00
	<hr/>
	\$77,800.00
Net expenditures by the Water Board,	\$60,283.59
Principal and interest, as above,	77,800.00
	<hr/>
Actual amount expended,	\$138,083.59
Number of services put in during the year,	270
Number of persons using water, December 1, 1886,	28,480
Since added,	1,600
	<hr/>
	30,080

This includes those using water at dwellings only.

Respectfully submitted.

JAMES H. HATHAWAY,
Water Registrar.

REPORT OF SUPERINTENDENT.

NEW BEDFORD WATER WORKS,
SUPERINTENDENT'S OFFICE,
December 1st, 1887.

To the New Bedford Water Board:

GENTLEMEN, — The superintendent's eighteenth annual Report of the operations of this department for the year ending December 1st, 1887, is herewith respectfully submitted.

Table A exhibits a detailed statement relative to the rainfall in three different localities, viz.: At the storing reservoir, Long Plain; at the pumping station; and at the residence of Thomas R. Rodman, Esq., on Spring street. The last statement is kindly supplied through the courtesy of Mr. Rodman.

With a consumption slightly in excess of that of last year, the storing reservoir has remained well filled during the entire season. From the middle of December until July the water level varied very little from high water mark. The lowest point was on November 8th, viz., 28 inches below the flowage line, which lacks 57 inches of reaching the lowest level recorded last year.

That the reservoir did not settle as rapidly as in previous years may be attributed partially to the unusually heavy rainfall, which for the first six months was largely in excess of the average amount for that period. Then

again, the loss from evaporation in July and August must have been unusually light. The record at the pumping station shows the average temperature for the month of July to be $72\frac{1}{2}$ degrees, and that for August $66\frac{1}{2}$ degrees. During a large proportion of these two months the atmosphere was heavily charged with moisture, which, taken in connection with the high range of temperature, made it very oppressive. On such days as these the loss from evaporation is very slight, as compared to the loss which can be attributed to this cause during a warm, dry, clear day. Mr. Fitzgerald, superintendent of the western division, Boston water works, who has investigated the matter in a most thorough manner, states the approximate evaporation during a year from a water surface to be something near thirty-five inches, and that the maximum evaporation for a day in Summer may reach six tenths of an inch, which is equivalent to a loss in one day of 16,291 gallons per acre. So it will be seen that the loss which can usually be attributed to evaporation is enormous.

As regards quality, the water has remained very satisfactory during the entire season. It is very pleasant to record an absence of the disagreeable taste and odor due to the decay of the algæ. This growth has not been observed to any extent in any of the reservoirs.

Through the courtesy of F. P. Stearns, Esq., chief engineer of the State Board of Health, I am enabled to present several examinations of samples of water which have been made since the first of June. The time and place of collection is indicated on the statement herewith presented.

While inspecting this table, let me call your attention to the large range in the intensity of the color of the Acushnet water at different periods.

WATER ANALYSIS—STATE BOARD OF HEALTH.

(PARTS IN 100,000.)

LOCALITY.	DATE RECEIVED.	APPEARANCE.		ODOR.		RESIDUE ON EVAPORATION.				AMMONIA.		Chlorine.	Nitrogen as Nitrites and Nitrates.
		Turbidity.	Color.	Cold.	Hot.	To-tal.	Loss on Ignition.	Fixed.	Order on Ignition.	Free.	Albuminoid.		
Little Quittacas, 5 ft. below surface, middle of pond.	June 14, 1887.	Very little light sediment.	0.3	Decidedly straw-like, rather offensive.	Very faint straw like.	2.87	1.45	1.42	Peaty, somewhat irri-tating.	.0000	.0129	.55	.000
do.	Sept. 5, 1887.	Very little sedi-ment.	0.15	Faintly mouldy.	Faintly woody.	2.97	0.87	2.10	Peaty.	.0007	.0170	.48	.007
Conduit at entrance to Receiving Reservoir.	June 22, 1887.	Some large brown flocks.	1.8	Very faint or none.	Very faint.	5.40	2.55	2.85	Peaty.	.0030	.0366	.47	.013
do.	July 22, 1887.	Very slight, no sediment.	2.2	None.	Faintly earthy.	5.40	2.00	3.40	Peaty.	.0025	.0360	.52	.016
do.	Aug. 23, 1887.	Very slight, no sediment.	1.4	Very faint or none.	Faintly woody.	5.05	1.92	3.13	Peaty.	.0022	.0320	.49	.010
do.	Sept. 17, 1887.	Very little red-dish-brown sediment.	1.2	Very faintly straw like.	Decidedly woody.	5.05	1.85	3.20	Peaty.	.0006	.0260	.57	.007
do.	Oct. 24, 1887.	Very slight, a lit-tle earthy sedi-ment.	0.9	Distinctly straw-like.	The same.	4.75	1.25	3.50	Peaty.	.0005	.0256	.59	.020
do.	Nov. 22, 1887.	Very slight, very little sediment.	1.2	Very faint or none.	Very faint or none.	4.85	1.95	2.90	Peaty.	.0024	.0242	.60	.010

No mention is made of nitrites or degrees of hardness.

SCALE OF ODORS.—0 = colorless.

1 = a yellowish-brown tint.

2 = a deep yellowish-brown.

WATER ANALYSIS—STATE BOARD OF HEALTH.

(PARTS IN 100,000.)

LOCALITY.	DATE RECEIVED.	APPEARANCE.		ODOR.		RESIDUE ON EVAPORATION.			AMMONIA.		Chlorine.	Nitrogen as Nitrites and Nitrates.
		Turbidity.	Color.	Cold.	Hot.	To tal.	Loss on Ignition.	Fixed.	Order on Ignition.	Free.	Alb. minoid.	
Outside gate house at June 22, 1887.		Distinct, some sediment.	1.8	None.	Very faintly straw-like.	5.22	2.82	2.40	Peaty.	.0052	.0308	.013
Distrib. Reservoir.												
do.	July 22, 1887.	Very nearly clear no sediment.	2.2	Very faint or none.	Distinctly earthy.	5.30	2.17	3.13	Peaty.	.0018	.0358	.019
do.	Aug. 23, 1887.	Very slight, no sediment.	1.4	Peculiar.	Peculiar sweetish.	5.07	1.97	3.10	Peaty.	.0025	.0302	.013
do.	Sept. 17, 1887.	Very slight, very little sediment.	1.1	Very faintly straw-like.	Decidedly woody.	5.00	1.90	3.10	Peaty.	.0006	.0281	.007
do.	Oct. 24, 1887.	A little earthy, flocky sediment.	1.2	Distinctly straw-like.	Same.	4.60	1.55	3.05	Peaty.	.0008	.0292	.010
do.	Nov. 22, 1887.	Slight, a little sediment.	1.1	Very faint or none.	Faintly straw-like.	4.85	2.00	2.85	Peaty.	.0022	.0242	.015

No mention is made of nitrites or degrees of hardness.

SCALE OF COLORS.—0 = colorless.

1 = a yellowish-brown tint.

2 = a deep yellowish-brown.

The State Board of Health is now engaged in making monthly examinations of all water used for domestic supplies throughout the State. This work is being accomplished not alone with the view of assuring the different localities of the continued healthful character of their supplies, but also with the hope of making new discoveries, and thus obtaining better information concerning the means of detecting those substances which constitute the harmful elements in our water supplies.

To keep our large water supplies free from all pollution is indeed a most serious question, and one which should interest every good citizen. Substantial encouragement should be given the State Board of Health, so that they may be enabled to prosecute their studies for at least another year, when it is hoped that they will have secured enough data to warrant the issue of a statement which shall furnish new light on this important question.

The storing reservoir has remained so well filled during the past season that it has not been found necessary to replenish its waters with that drawn from Little Quittacas pond.

It will be remembered that in view of a possible approaching water famine, something over a year ago, the channel of the "dry swamp ditch," so-called, was quickly reopened for the purpose of obtaining a temporary supply from Little Quittacas pond.

A considerable amount of work has been accomplished the past season in improving this channel. It has been excavated to a width of at least eight feet upon the bottom, with sides more or less sloping. Deepening has been effected in many places, and the bottom thereby lowered to approximately a straight grade. It has been shortened by straightenings being made at several places.

This channel now permits of a substantial addition to our former storage capacity, and it is proposed to main-

tain it in its present condition until a permanent connection shall be made.

Satisfactory arrangements have been made with all landowners on the line of both the "dry swamp ditch" and the proposed conduit line. Surveys have been made and deeds taken of all lands, covering at least two and a half rods on either side of the centre line of these two locations. The "Duffy farm," which borders upon the shores of Little Quittacas pond where it is proposed to construct the inlet gate-house, has also been purchased. This action secures the control of all lands necessary for further operations in the placing of a permanent connection from Little Quittacas pond, as far south as the point where the proposed conduit line intersects the Spooner river.

In considering the matter of a permanent connection, my own opinion, as heretofore stated, is favorable to a closed conduit, which should be placed at such a grade as will permit of its being extended around the shores of the storing reservoir, and connected with the present conduit leading to this city; the flow of water to be controlled at a gate-chamber located at Little Quittacas pond. Such a connection, although it would involve a heavy expenditure, would permit of the delivery of Quittacas water, unmixed with that of the Acushnet. Such a connection would certainly form a valuable addition to the present supply.

The approach of cold weather put a stop to the work of repairs then in progress upon the gate-house and wasteway of the Wilson dam. This work was continued the past season, and has been fully completed. The total expense has been as follows:

Repair to gate-house, Wilson dam, 1886,	\$1,467.01	
1887,	359.80	\$1,826.81
Repair to wasteway, Wilson dam, 1886,	\$2,234.68	
1887,	503.07	2,737.75
Repairs to conduit, 1886,		401.03
Total,		<hr/> \$4,965.59

The buildings at the Ansel White farm have been placed in most thorough repair. The dwelling-house and front fences have been painted; the barn and other outbuildings have received a coat of lime-wash of the same color as the house. The property now presents an exceedingly neat appearance.

The conduit, also the receiving and distributing reservoirs are in good condition, and no repairs have been made in this connection other than that necessary for proper maintenance.

The same remark will apply to the pumping engine-house and its surroundings.

Engine No. 1 (McAlpine) has been in operation 842 hours, making 752,004 revolutions, and pumping 220,-337,172 gallons of water.

Engine No. 2 (Worthington) has been in operation 761 hours 55 minutes, making 820,646 revolutions, and pumping 121,455,608 gallons of water.

Engine No. 3 (Worthington high duty) has been in operation 3600 hours 20 minutes, making 3,888,351 revolutions, and pumping 754,340,094 gallons of water.

Slight repairs have been made to engines Nos. 1 and 2, and in connection with engine No. 3 an alteration has been made in the manner of supplying pressure to the compensating cylinders. Formerly this was obtained from a storage tank, which was fed by a small air-pump attached to the main engine. By the alteration, the pressure in the force-main is made to produce it through the medium of a differential accumulator. This device enables the engine

to run on any service where the resistance is subject to sudden variation. The cost of applying this device was \$364.63.

The "ash covering" which was placed upon the steam-cylinder, steam-pipe, and other heated parts of engine No. 3, at the time of its erection, proved to be worthless in this case, and it has been renewed and replaced by H. R. Worthington with the patent air-space covering manufactured by the Chalmer Spence Co. Certain changes were ordered as to the particular style of covering and the manner of placing the same, for convenience of access to the different joints, all of which was not included in the terms of the original contract. The cost of this extra work was \$264.

Boilers Nos. 1 and 2 are now showing decided signs of deterioration. They were first put into commission in 1869, and they have rendered most excellent service during the eighteen years which have since elapsed. They are now rapidly wearing out, and from present indications should say that they may be used for about two years longer, when they certainly should be condemned, and should be replaced with high pressure boilers that may be used in connection with the Worthington "high duty" engine.

Boilers Nos. 2 and 3 will soon need retubing. The necessary tubes we have in stock, and so this work will only require the requisite labor for placing the same.

Boilers Nos. 5 and 6 are in excellent condition, and no repairs will be required for a long time to come.

At times, necessity compels the operating of four boilers at the same time. This causes great inconvenience, as the chimney is insufficient in both flue area and height to satisfactorily permit of operating more than two boilers at the same time. When it becomes necessary to replace boilers Nos. 1 and 2, I would recommend that the present

chimney be replaced with one equal to all requirements of the entire boiler plant.

The contract for coal was made with Temple S. Corson, at \$5.48 per gross ton.

The cost of pumping the past year has been as follows :

1st. Figured on pumping station expenses :

Cost of fuel used,	\$4,210.11
Salaries, engineers, firemen, watchmen,	3,867.85
Cost of oil, waste, packing, and other supplies,	548.98
Repairs and alterations on machinery and boilers,	808.69
Total pumping expense,	<u>\$9,435.63</u>

Raising water into reservoir, per million gallons,	\$8.61
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Raising water per million gallons, one foot high,	.06 $\frac{6906}{10000}$ cents.
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2d. Figured on total maintenance, viz., \$74,008.05

Raising water into reservoir, per million gallons,	\$67.51
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Raising water per million gallons, one foot high,	.52 $\frac{477}{1000}$ cents.
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The attractive condition of the pumping station and its surroundings, as well as the admirable system in connection with the management of the pumping machinery, causes most favorable comments from the many visitors to that place. Not only does its condition reflect great credit to our city as a model in the line of public works, but it also shows the result of the untiring energy and skilful management of the engineer in charge, Mr. Negus.

In June, 1886, the new engine, built by Henry R. Worthington, was tested, and the results of that trial were presented in the last annual Report. The duty, as shown by that test, is the result of the performance of both engine and boilers combined.

In order to be able to form a correct estimate of the actual merits of the engine, it was thought best to have a

separate test of the boilers which were used with the engine at that time.

This was accordingly done in February last, and the results of this test are given in the following Report.

REPORT

OF A TEST OF TWO UPRIGHT CORLISS BOILERS, AT THE PUMPING STATION OF THE NEW BEDFORD WATER WORKS, TO DETERMINE THEIR EVAPORATIVE EFFICIENCY.

NEW BEDFORD, MASS., March 16th, 1887.

To the New Bedford Water Board:

GENTLEMEN,—In accordance with instructions received from your Board, the undersigned respectfully present the following report of a test of the two upright Corliss boilers now used in connection with the new Worthington pumping engine.

On the morning of February 16th, 1887, the two boilers were supplying steam to the Worthington engine, which was then pumping the city's supply. At 8 30 A. M. the engine was stopped, the fires under the boilers were drawn, and the ash pits cleaned. At 9 12 A. M. new fires were started under each boiler.

At 9 30 A. M., when the test began, the steam pressure was 98 pounds at the boiler, as shown by the gauge. At 9 54 A. M. the engine was started, and ran continuously until 10 15 A. M., February 17th, 1887, the boiler pressure at that time being 111.5 pounds.

The height of the water in the boilers was carefully noted at the beginning and end of the trial, and the proper correction was made for the difference, which was very slight.

The coal used was Lehigh coal, known as "Lindermann's Sugar Loaf."

At the end of the trial all combustible coal was picked from the refuse and weighed. This weight (being less than two per cent.) was deducted from the gross amount of coal charged.

The gauges and thermometers had all been previously tested. The barometer was an Aneroid, which had been carefully tested and found correct.

The quantity of water fed to the boilers was measured in the following manner. A tank was placed upon a tested platform scale and supplied by the feed pump with water from the hot well, the temperature of the water being noted at the time of weighing. The water, after being weighed, was allowed to flow into a lower tank, from which it was pumped by a second feed pump into the boilers.

The water was also measured by a Worthington meter, the same one which had been used in the previous trial of the engine.

Observations were taken every half hour of the steam pressure at the boilers, the height of water in the boilers, and the reading of the meter, and the quantity of water fed to the boilers was computed every thirty minutes.

Observations were taken every hour of the atmospheric pressure near the boilers, and the following temperatures: Steam at boilers, feed water, before and after passing through heater, flue gases, before and after passing through heater, air in boiler room, and external air.

Appended to this report we present the results tabulated in the form recommended by the Committee of the American Society of Mechanical Engineers.

Respectfully submitted.

(Signed.)

WM. ROTCH,
WM. R. BILLINGS,
R. C. P. COGGESHALL.

RECORD OF A TEST OF TWO UPRIGHT CORLISS BOILERS, AT THE PUMPING STATION OF THE NEW BEDFORD WATER WORKS.

*Reported in form recommended by the Committee of the American Society
of Mechanical Engineers.*

- | | |
|------------------------------|-------------------------------|
| 1. Date of trial, | February 16th and 17th, 1887. |
| 1a. Time of beginning trial, | 9 30 A. M. |
| 2. Duration of trial, | 24 hours 45 minutes. |

DIMENSIONS AND PROPORTIONS.

Type of boiler,	Corliss vertical, internal fire-box.
Number in use,	Two.
Diameter of shell,	64 inches.
Length of shell,	13 ft. 7 in.
Number of tubes, each boiler,	128
Diameter of tubes,	1½ inches inside, 2 inches outside.
Length of tubes, exposed to water 6'3", exposed to steam 3'9",	10 feet.
Kind of grate bars,	Bannister rocking grate.
Total area of air space in grates, two boilers,	16.7 sq. ft.
Area of chimney flue, 3 feet square,	9 sq. ft.
Area of horizontal flue, connecting with chimney,	7.11 sq. ft.
Height of chimney,	70 feet.
Length of horizontal flue, connecting with chimney,	86 feet.

3. Grate surface, circular, diameter 5'11 $\frac{1}{8}$ " one boiler,	18.56
sq. ft. both boilers,	37.12 sq. ft.
3a. Ratio, area of grate to area air spaces,	2.2 to 1
3b. Area of least draught,	5.2 sq. ft.
4. Water heating surface, both boilers,	749.84 sq. ft.
5. Superheating surface, both boilers,	440.26 sq. ft.
5a. Total heating surface, both boilers,	1190.10 sq. ft.
5b. Heating surface in feed water heater,	183.26 sq. ft.
6. Ratio of water heating surface to grate surface,	20.2 to 1
6a. Ratio of superheating surface to grate surface,	11.9 to 1
6b. Ratio of total heating surface to grate surface,	32.1 to 1
6c. Ratio of water heating surface to superheating surface,	1.7 to 1

AVERAGE PRESSURES.

7. Steam pressure in boiler by gauge,	114.98 pounds.
8. Absolute steam pressure,	129.53 pounds.
9. Atmospheric pressure by barometer,	29.64 inches.

AVERAGE TEMPERATURES.

11. Of external air,	36.96° F.
12. Of boiler-room,	81.12° F.
13. Of steam,	369.04° F.
14. Of escaping gases before passing feed water heater,	366.04° F.
14a. Of escaping gases after passing feed water heater,	262.64° F.
15. Of feed water before passing heater,	123.27° F.
15a. Of feed water after passing heater,	165.48° F.

FUEL.

16. Total amount of coal consumed,	7422 pounds.
17. Moisture in coal, 143 pounds,	1 $\frac{92}{100}$ per cent.
18. Dry coal consumed,	7279 pounds.
19. Total refuse dry, 768 pounds,	9 $\frac{73}{100}$ per cent.
20. Total combustible, (weight of coal, item 18, less refuse, item 19,)	6571 pounds.
21. Dry coal consumed per hour,	294 pounds.
22. Combustible consumed per hour,	266 pounds.

WATER.

26. Total weight of water pumped into boiler and apparently evaporated,	61,720.4 pounds.
26a. Check on above by meter measurement,	57,768 pounds.
26b. Error of meter,	— 6 $\frac{84}{100}$ per cent.
28. Equivalent, water evaporated into dry steam from and at 212° F.:	
Including feed water heater,	70,071 pounds.
Excluding feed water heater,	67,357 pounds.

29. Equivalent, total heat derived from fuel in British Thermal units:

Including feed water heater,	67,667,777
Excluding feed water heater,	65,047,129

30. Equivalent water evaporated into dry steam from and at 212° F. per hour:

Including feed water heater,	2831 pounds.
Excluding feed water heater,	2721 pounds.

ECONOMIC EVAPORATION.

31. Water actually evaporated per pound of dry coal from actual pressure and temperature, 8.48 pounds.

32. Equivalent, water evaporated per pound of dry coal from and at 212° F.:

Including feed water heater,	9.63 pounds.
Excluding feed water heater,	9.25 pounds.

33. Equivalent, water evaporated per pound of combustible from and at 212° F.:

Including feed water heater,	10.66 pounds.
Excluding feed water heater,	10.25 pounds.

COMMERCIAL EVAPORATION.

34. Equivalent, water evaporated per pound of dry coal, with one-sixth refuse, at 70 pounds gauge pressure, from temperature of 100° F. = item 33 multiplied by 0.7249:

Including feed water heater,	7.73 pounds.
Excluding feed water heater,	7.43 pounds.

RATE OF COMBUSTION.

35. Dry coal actually burned per square foot of grate surface per hour,

7.92 pounds.

36.	Consumption of dry coal per hour, coal assumed with one sixth refuse.	per sq. ft. of grate surface,	8.58 lbs.
37.		per sq. ft. of water heating surface,	0.425 lbs.
37a.		per sq. ft. of superheating surface,	0.724 lbs.
37b.		per sq. ft. of total heating surface,	0.268 lbs.
38.		per sq. ft. of least area for draught,	61.26 lbs.

RATE OF EVAPORATION.

39. Water evaporated from and at 212° F. per sq. ft. of heating surface per hour, excluding feed water heater,

3.63 lbs.

40.	Water evaporated per hour, from temperature of 100° F. into steam of 70 lbs. gauge pressure, excluding feed water heater.	per sq. ft. of grate surface,	63.8 lbs.
41.		per sq. ft. of water heating surface,	3.16 lbs.
41a.		per sq. ft. of superheating surface,	5.38 lbs.
41b.		per sq. ft. of total heating surface,	1.99 lbs.
42.		per sq. ft. of least area for draught,	455.1 lbs.

COMMERCIAL HORSE-POWER.

43. On the basis of 30 pounds of water per hour, evaporated from temperature of 100° F. into steam of 70 lbs. gauge pressure, (= 34½ lbs. from and at 212° F.):
- | | |
|------------------------------|------------|
| Including feed water heater, | 82.1 H. P. |
| Excluding feed water heater, | 78.9 H. P. |

The distributing mains have been increased 15,075 feet. There have been 2869 feet of pipe, previously laid, removed. The total number of miles of main pipe now in use is $54\frac{3786}{10000}$ miles.

The new supply main has been continued this year as follows, viz.: Commencing at the terminus of the twenty-four-inch pipe in Mt. Pleasant street, at the corner of Durfee, and continuing with a pipe of the same size through Durfee and Ashland streets to Linden street; thence through the last named street a sixteen-inch pipe is laid to State street. Here it connects with another sixteen-inch main, laid in 1885, and which comes from the old force main by the way of State street. At the junction of these two sixteen-inch pipes the size is enlarged to twenty-inch, and a line of pipe of the last named size is continued in State street from Linden south diagonally across the Common, and connecting with the end of the main laid last year in Pleasant street at Pearl.

A connection remains to be made at the gate-house of the distributing reservoir, between the old force main and the screen chamber. Gates are to be so located that the old force main may be converted at pleasure into a feeder for the new supply main.

This main is proving to be a most valuable auxiliary in the maintenance of an approximate normal pressure upon the distributing system, and as a consequence the supply upon the more elevated portions of the city, which for a number of years has been very defective, is now greatly improved.

The present terminus of this leading main is on Pleasant street, opposite the entrance to the Library building. It is proposed to extend this main, the coming year, from this point south to William street, and thence through William and Sixth streets to Union street.

There is now in use upwards of $9\frac{1}{3}$ miles of wrought-iron cement-lined pipe, all of which has now been in use for eighteen years. Probably a large portion is still in good condition, but as it has been found very defective in many places, it is fair to presume that there is a large number of weak spots not known, and from which a break may occur at almost any time. Unfortunately, it is impossible to separate the location of the good from the bad. I would strongly urge that the condition of this pipe be taken under advisement, and that steps be soon taken with the view of ultimately replacing all this pipe with that of cast-iron.

There have been eleven leaks upon the main pipe the past season, as shown in the following table.

MAIN LEAKS IN 1887.

DATE.	SIZE.	LOCATION.	CAUSE.	COST.
Feb. 1	4 inch.	Commercial wharf, west of meter.	Sleeve joint out.	\$4.25
	2 4	Oak street, near Dartmouth.	Joint started.	4.00
May 7	4	Bonney st., cor. Rockland.	Pipe broken.	14.48
18	4	Bonney st., cor. Washington.	Pick hole.	1.50
July 9	4	Cottage street, cor. Arnold.	"	2.00
23	4	Commercial street.	Pipe broken.	12.09
Aug. 26	8	Potomska st., cor. Second.	Joint started.	1.70
26	6	Pleasant st., cor. Hazard.	"	1.75
Sept. 9	4	First street, between South and Potomska.	"	4.00
	16 20	Pearl street, corner Willis.	Anchor hole.	2.00
	17 6	South street, corner First.	Joint started.	2.50

At the Rural cemetery a three-inch main has been laid in the avenue leading from Dartmouth street a distance of 750 feet, and this pipe has been tapped in five places for a supply for the convenience of the lot-owners.

Two hundred and seventy service pipes have been added, and three extensions made to pipes previously laid. Total number of services now in use is 5495.

Two hundred and twenty-five service taps have been cleared as follows, viz., rust 119, cels 98, trouble inside 8.

Thirty-eight new hydrants have been set, and sixteen previously in use have been removed. Total number now in use is 410.

A watering-cart hydrant has been placed at the foot of Willis street, $7\frac{1}{2}$ feet east of the east line of Acushnet avenue.

Forty-two new stop-gates have been set, and four formerly in use have been removed. Total number now in use is 547.

Five waste-gates have been set. Total number now in use is 54.

Six private stop-gates have been set. Total number now in use is 111.

The total length of small-sized distribution pipes (less than four-inch) is 5812 feet.

The total number of small-sized stop-gates (less than four-inch) is 59.

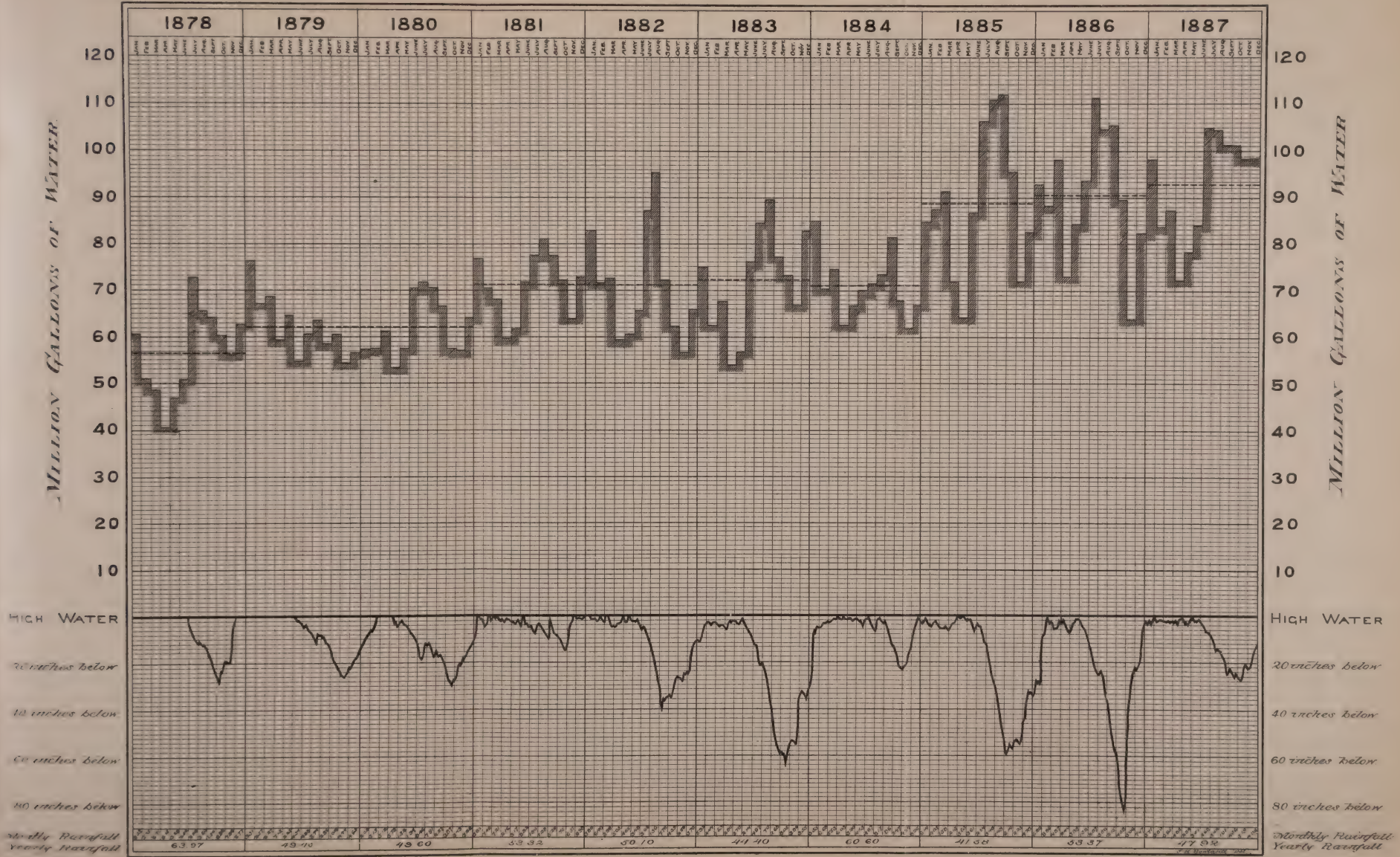
The total number of motors now in use is 28.

The total number of meters now in use is 102.

The annexed diagram, together with the accompanying tables, presents information in detail regarding the monthly consumption, the fluctuation of the water-level in the storing reservoir, and the rainfall.

NEW BEDFORD WATER WORKS.

DIAGRAM showing the consumption, and height of water at the Storing Reservoir, for the past ten years.



MONTHLY CONSUMPTION AND RECORD OF PRESSURE AT
THE CITY HALL.

1887. Month.	Monthly Consumption. Gallons.	Daily Average. Gallons.	Lbs. pressure at 10 A. M.			Lbs. pressure at midnight.		
			Max.	Min.	Av.	Max.	Min.	Av.
January,	98,220,689	3,161,409	34	30	32	35	32	33
February,	83,439,010	2,979,965	33	29	32	36	32	34
March,	87,218,095	2,813,487	33	27	30	35	32	34
April,	72,272,875	2,409,096	34	27	32	39	30	34
May,	78,171,025	2,521,646	33	31	32	36	34	34
June,	83,954,338	2,798,478	34	26	31	36	32	34
July,	104,961,884	3,385,867	34	28	30	37	32	34
August,	104,467,698	3,369,926	32	27	31	36	29	34
September,	101,371,404	3,379,047	34	28	33	37	32	35
October,	101,194,645	3,264,343	35	32	33	37	33	35
November,	98,426,136	3,280,868	35	32	33	37	32	34
December,	98,604,990	3,180,806	35	30	33	37	19	34
Averages,	92,691,899	3,047,404	34	29	32	37	31	34

COMPARISON OF THE CONSUMPTION OF THE YEAR 1887
WITH THE RECORD OF THE SIX PREVIOUS YEARS.

Year.	Estimated Population.	Estimated No. of consumers.	Total No. of gal- lons consumed.	Average daily consumption.	No. of taps.	Gals. per day to each inhabitant.	Gals. per day to each consumer.	Gals. per day to each tap.
1881,	27,000	19,044	844,249,647	2,213,012	3,925	86	122	589
1882,	28,500	20,424	859,119,622	2,326,352	4,203	82	114	553
1883,	30,000	22,249	849,059,700	2,326,191	4,465	78	105	521
1884,	33,000	23,749	867,815,595	2,371,080	4,691	72	100	506
1885,	33,700	25,375	1,049,801,050	2,876,167	4,965	85	113	579
1886,	34,500	28,480	1,086,534,615	2,976,807	5,225	86	104	569
1887,	36,000	30,080	1,112,302,789	3,047,404	5,495	85	101	555

A comparison of the records of the past six years shows an increase of 32 per cent. in the consumption for the time named. Increase in the number of services for the same time is 40 per cent.

The minimum daily consumption during the past year was on Sunday, April 24th, 1,646,444 gallons. The maximum daily consumption was on Thursday, July 21st, 4,238,221 gallons.

Respectfully submitted.

ROBERT C. P. COGGESHALL,
Superintendent.

TABLE A.

SHOWING RAINFALL AT STORING RESERVOIR FOR 1887.

Day.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1,						1.00				.95		
2,	.24					.83		.40		.82		
3,		.43		1.23		.05				.12		.05
4,		.06				.03				.05		
5,												.20
6,	1.01	.02	.47									
7,	.05	.17	.20				.22					
8,		.31			1.04							
9,			.40									
10,	.26	.04	1.00			.02	.75		.14			.83
11,		.64	.42							.44	1.15	.68
12,							.11	.22				.11
13,									.61			
14,	.90								.02			
15,		.64						.12			1.45	.65
16,	.08		.40	.80								
17,	.05					.04						
18,	.18	1.00	.10			.10	.64	.18				.70
19,		.42		.46								.02
20,			.12					.10			.25	
21,										1.33		.30
22,			.92							.82		
23,			.15			.15	.67	.71	.24			
24,	1.15	.82		1.09		1.26	.12	.45			.02	
25,	.18		.11		.57	.03		1.04				
26,		.20		.53	.01							
27,	.18	1.05										.10
28,			1.21		1.20							1.28
29,	.68		.15	.74						.03	.32	
30,	.67											
31,	.08						.17					
	5.71	5.80	5.65	4.85	2.82	3.51	2.68	3.22	1.01	4.56	3.19	4.92

Total fall for the year, 47.92 inches.

TABLE A.

SHOWING RAINFALL AT THE PUMPING STATION FOR 1887.

Day.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1,	1.61					.83				1.00	.16	
2,	.18	.45		1.42		.80		1.20		.32		
3,		.09				.07				.08		.01
4,										.06		
5,				.03						.09		.12
6,	1.35		.51									
7,			.05				.15		.10			
8,		.82			.44				.06			.02
9,						.01						
10,	.40		2.00			.02	1.26		.05		.86	
11,		.67					.08	.48		.40	.01	1.35
12,									.94			.03
13,												
14,	.97											
15,	.11	.42	.01					.02			1.00	.57
16,				.68							.12	
17,	.10					.08	.45					
18,	.33	1.40	.03			.05		.22		.03		.60
19,			.10	.75							.21	.02
20,		.04	.05			.01		.16				
21,						.01				1.69		.30
22,		.10	.70			.04	.77	.70	.22	.01		
23,			.11			.18	.05	.21	.25			
24,	.79	.66		.73		.94		1.92	.01	.01		
25,			.08		.58						.01	
26,	.20	.99		.57	.01	.17						
27,					.01	.01						.17
28,			.88		1.12						.26	.86
29,			.22	.70					.11	.04		
30,	1.14			.10	.01			.03	.07			
31,					.11		.15					
	7.18	5.64	4.74	4.98	2.27	3.22	2.92	4.94	1.81	3.73	2.63	4.05

Total fall for the year, 48.11 inches.

TABLE A.

SHOWING RAINFALL AT NEW BEDFORD, AS REGISTERED BY
T. R. RODMAN, FOR 1887.

Day.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1,	.74										.05	
2,	.25					1.75		2.64		1.67		
3,		.96		1.84				.02		.05		
4,										.08		
5,												.19
6,	1.36		1.22									
7,							.11		.10			
8,					.42				.01			.04
9,		.64										
10,	.43						1.64		.04		.96	
11,		.62	2.24									
12,								.48				
13,									1.11			1.47
14,	.96											
15,	.15		.14					.01			1.04	
16,		.33		.66							.09	.60
17,						.10	.04					
18,	.35		.04			.03	.60	.18				
19,		1.44	.05	.98							.20	.63
20,			.11					.20				
21,		.06								1.72		.31
22,		.15				.04	1.00		.10			
23,			.82			.18	.03		.22			
24,	.58	.65	.09	.64		.92						
25,					.63			3.15				
26,				.54	.03	.13						
27,	.28	1.40										.22
28,			.82		1.16				.13	.06		.82
29,			.30	.64							.26	
30,	.92		.15									
31,							.19					
	6.02	6.25	5.83	5.45	2.24	3.15	3.61	6.68	1.71	3.95	2.60	4.28

Total fall for the year, 51.77 inches.

TABLE B.
STATEMENT OF WORK DONE BY PUMPING ENGINE No. 1 (McALPINE) FOR THE YEAR ENDING
DECEMBER 1, 1887.

MONTHS.	Number of days pumping.	Total pumping time per month.		Total number of strokes per month.		Average number of strokes per month.	FUEL.										No. of gallons pumped total coal.	GALS.	FEET.	LBS.	LBS.	LBS.	Av. duty in pounds raised one foot high, per 100 pounds of coal. Calculated on total fuel used for all purposes, no deduction.	LBS.	LBS.	LBS.																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		H. M.	STROKES	lbs. of wood = Coal	In pounds.		Raising steam and banking.	Ashes and clinkers.	Pumping.	Total.	Total fuel.	GALS.	No. of gallons pumped total coal.	GALS.	FEET.	LBS.											LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.	LBS.

TABLE B.

STATEMENT OF WORK DONE BY PUMPING ENGINE No. 2 (WORTHINGTON) FOR THE YEAR ENDING
DECEMBER 1, 1887.

MONTHS.	Number of days pumping.		Total number of strokes per month.		Average number of strokes per month.		lbs. of wood		FUEL.						Total number of gallons pumped monthly, allowance being made for slip.	No. of gallons pumped per pound of coal for total coal.	GALS.	FEET.	LBS.	Av. duty in pounds raised one foot high, per 100 lbs. of coal, calculated on amt. of combustible coal used while pumping.
	Total pumping time per month.	STOKES	Total number of strokes per month.	Strokes	Wood	3 = Coal	COAL.													
							Raising steam and bunking.	Ashes and clinkers.	Pumping.	Total.	LBS.	LBS.	LBS.	Total fuel.						
December, 1886,	7 148 15	146,149	16.4	117	2,400	5,050	41,696	49,146	49,263	21,630,652	440.12	555.87	126.3	46,250,339	54,642,753					
January, 1887,	6 132 00	142,044	17.9	67	1,200	4,500	39,700	45,400	45,466	21,022,512	463.05	585.29	126.4	48,742,857	55,822,231					
February,	6 124 10	139,396	18.7	133	3,600	4,280	36,220	44,100	44,234	20,630,608	467.82	587.11	125.5	48,816,382	59,617,444					
March,	7 122 30	136,444	18.6	67	3,000	4,350	36,150	43,500	43,567	20,193,712	464.22	584.52	125.7	48,591,447	58,561,094					
April,	5 77 00	83,316	18.0	117	4,200	2,630	19,824	26,714	26,714	12,330,768	461.38	576.05	124.8	48,043,190	64,741,015					
May,	1 13 30	14,662	18.1		1,200	500	3,255	4,355	5,072	2,169,976	437.94	552.68	126.2	45,029,911	70,166,424					
June,																				
July,	1 5 00	5,655	18.8			160	1,440	1,600	1,600	836,940	523.09	662.23	126.6	55,220,879	61,206,593					
August,																				
September,	6 135 30	148,817	18.3		600	4,860	43,040	48,500	48,500	22,024,916	454.12	581.04	127.9	48,459,493	54,607,003					
October,	1 4 00	4,163	17.4			150	1,350	1,500	1,500	616,124	410.75	516.72	125.8	43,108,373	47,898,192					
November,																				
Totals and Av.,	40 761 55	820,646	18.0	501	16,200	26,540	222,675	265,415	265,916	121,455,608	457.60	577.49	126.2	48,072,699	57,407,881					

TABLE B.

STATEMENT OF WORK DONE BY PUMPING ENGINE No. 3 (WORTHINGTON) FOR THE YEAR ENDING
DECEMBER 1, 1887.

MONTHS.	FUEL.		COAL.										Total number of strokes per month.	Average number of strokes per month.	Total number of strokes per month.	H. M.	Number of days pumping.					
	STROKES	LBS.	Wood 3 = Coal	In pounds.	Raising steam and banking.	Ashes and clinkers.	Pumping.		Total.	Total fuel.	GALS.	No. of gallons pumped per pound of coal for total coal.						GALS.	No. of gallons raised 100 feet per pound of coal for total coal.	FEET.	LBS.	LBS.
							LBS.	LBS.														
December, 1886,	19	309 45	317 941	17 1	100	21,000	9,350	63,450	93,800	93,900	61,680,554	657 57	837 74	127 4	69,794,010	103,288,335						
January, 1887,	14	262 35	281 257	17 9	150	8,400	7,900	58,760	75,060	75,110	54,559,978	726 88	923 13	127 0	76,938,940	98,347,239						
February,	12	192 20	209 782	18 1	183	10,800	6,050	44,270	61,120	61,303	40,697,708	685 87	843 65	126 7	70,151,663	97,141,117						
March,	23	309 40	349 387	18 8	66	23,700	10,325	73,875	108,500	108,500	67,781,078	624 71	795 88	127 4	66,336,127	97,486,944						
April,	21	333 30	35 250	17 5	33	1,200	1,060	8,140	10,400	10,400	6,838,500	637 55	837 71	127 4	69,805,535	97,263,092						
May,	24	193 50	210 993	18 2	33	14,400	6,520	44,185	128,316	128,316	83,891,216	628 52	796 58	126 7	66,401,520	97,889,892						
June,	27	406 40	432 264	17 7	75	22,800	12,856	92,658	106,110	106,185	71,085,808	663 32	828 68	126 8	69,112,368	95,709,088						
July,	18	340 30	366 432	17 9	50	12,900	10,690	85,220	142,005	142,065	94,369,820	668 77	856 71	127 1	71,400,962	88,857,983						
August,	24	459 30	489 530	17 8	50	12,900	13,282	115,823	142,005	141,415	69,290,134	683 27	872 53	127 4	72,734,102	91,138,266						
September,	17	325 30	357 011	18 3	50	10,200	10,230	80,935	101,365	101,415	69,290,134	682 69	875 89	128 3	73,010,669	95,434,785						
October,	17	298 00	329 206	18 4	50	12,000	9,343	71,697	93,550	93,600	98,805,964	682 69	851 03	127 9	70,975,657	86,256,411						
November,	26	468 30	509 328	18 1		11,400	14,950	122,150	148,500	148,500	98,809,632	665 39	851 03	127 9	70,975,657	86,256,411						
Totals and Av.,	213	3,600 20	3,888 351	18 0	657	159,600	113,158	861,073	1,133,831	1,134,488	754,340,094	665 30	848 26	127 5	70,703,924	93,142,804						

TABLE C.

LOCATION AND SIZE OF PIPE LAID IN 1887.

STREETS.	CAST IRON.						
	24 in.	20 in.	16 in.	10 in.	8 in.	6 in.	4 in.
Acushnet avenue, end of pipe at Coggeshall street north,					13		
Ashland st., from 24-inch main in Durfee street to 12 feet north from north line of Durfee,					28		
Ashland street, Durfee st. south to 10.7 ft. north from south line of Linden,	144						
Austin st., Ashland west to 425 feet east from east line Cedar,						379	
Austin st., from 138 ft. west from Cedar to 6 ft. east from east line of Shawmut ave.,						798	
Blackmer st., Acushnet ave. to 12 ft. east from County st. main,						284	
Bowditch st., from 90 ft. north of north line Weld to 314 feet S. from S. line Cedar Grove,							305
Cedar Grove st., from 220 feet west of Bowditch west,							169
Chestnut st., Parker north,					106		
Coggeshall st., Acushnet ave. east,					407		
Court st., end of pipe west of Park west,							97
Common, from north line Pearl at Pleasant northwesterly to south line of Pope at State,	491						
Cottage st., end of pipe to 142 ft. north from Bedford,							37
Cottage st., end of pipe south of Bay to Dartmouth,						222	
Cottage st., end of pipe north of Locust north,							3
County st., from 184 ft. S. from south line Clark south to 117½ ft. S. from south line Weld,						418	
County st., from 71 ft. N. from north line Division south to Cove st.,					651		
County st., Linden north,				164		44	
Dartmouth st., Fair north,							
Dartmouth st., Rockland south to 100½ ft. south from south line Thompson,					642		
Division st., from 293 feet west from Water to Second,						100	
Division st., County west,						1014	

TABLE C—*Continued.*

STREETS.	CAST IRON.						
	24 in.	20 in.	16 in.	10 in.	8 in.	6 in.	4 in.
Durfee st., Mt. Pleasant to Ashland,	257						
Durfee st., from 11 ft. west from W. line Cedar to Shawmut ave.,					1132		
Durfee st., Shawmut ave. west,						20	
Elm st., Newton west,						73	
First st., end of pipe south of Potomska to 132 ft. north from north line Rivet,							44
First st., Potomska north,							*11
First st., Delano south,							162
Grove st., end of pipe east of Ash to 295 ft. east from E. line Ash,						132	
Harrison st., Oak to 6 ft. south from south line Hickory,						337	
Howard st., Cedar Grove north,							178
Katherine st., County west,						178	
Linden st., Ashland to State,			1028				
Linden st., State east,				26			
Lombard st., Rockland south,							225
Morgan st., Cedar to Ash,							240
Mosher st., end of pipe west to 573 ft. W. from W. line County,							56
Mill st., Florence west,						152	
Newton st., Elm north,						24	
North st., Chancery west to 2 ft. east from east line Newton,						661	
North st., from 96 ft. west from west line Hunter west,						84	
Ocean street, Arnold south,						200	
Palmer st., Kempton south to 2 ft. north from north line Elm,						540	
Park street, Union south,					188		
Pleasant st., end of pipe north to north line Pearl,		17					
Rockland st., end of pipe east of Dartmouth east to Lombard,					127		
Rounds st., end of pipe south of Kempton south,							345
Second st., end of pipe south 232 ft. S. from S. line Blackmer,					60		
Second street, Division south,					110		
State st., from south line Pope north to Linden,		1827					
Willis st., from 201 ft. east from Summer east,						87	
Winsor st., end of pipe west to 337 ft. W. from W. line County,						38	
Total,	401	2335	1028	190	2951	6298	1872

* Laid in 1884.

TAKEN UP.

STREETS.	CAST IRON.	
	6 in.	4 in.
Linden street, from 347 feet east of Ashland to State,	686	373
Linden street, Ashland east,		
State street, Linden to Hazard,	819	357
State street, Hazard to Merrimac,		
State street, Merrimac to Pope,	634	
Total,	2139	730

Total length laid in 1887, 15,075 feet = $2\frac{8551}{10000}$ miles.

Total length removed in 1887, 2869 feet = $0\frac{5434}{10000}$ miles.

Total length of pipe now in use, 287,119 feet = $54\frac{3786}{10000}$ miles.

TABLE D.

SMALL SIZE DISTRIBUTION PIPE LAID IN 1887.

STREETS.	CAST IRON.
	2 inch.
Holden court, Cottage street west,	112
Total,	112

Total length laid in 1887, 112 feet.

Removed in 1887, 160 feet.

Previously laid, 5972 feet.

Total length now in use, 5812 feet = $1\frac{101}{1000}$ miles.

TABLE E.

LOCATION OF STOP-GATES SET IN 1887.

STREETS.	SIZE.						
	24 in.	20 in.	16 in.	10 in.	8 in.	6 in.	4 in.
Ashland st., north side Durfee,					1		
Austin st., east side State,						1	
Austin st., west side Ashland,						1	
Blackmer st., east side County,						1	
Chestnut st., north side Parker,						1	
Coggeshall st., east side Acush-							
net ave.,						1	
County st., north side Linden,						1	
County st., north side Division,					1		
County st., north side Cove,					1		
Cottage st., west side Dartmouth,						1	
Dartmouth st., S. side Rockland,					1		
Division st., west side County,						1	
Durfee st., east side Mt. Pleasant,	1						
Durfee st., west side Cedar,					1		
Durfee st., E. side Shawmut ave.,					1		
Durfee st., W. side Shawmut ave.,						1	
Franklin st., east side State,							1
Franklin st., west side State,							1
Grape st., west side Oak north,						1	
Hazard st., east side State,							1
Hazard st., west side State,							1
Katharine st., west side County,						1	
Linden st., east side State,				1			
Linden st., west side State,			1				
Linden st., at hydrant W. of State,						1	
Linden st., at hydrant west of						1	
County,						1	
Linden st., at hydrant west of						1	
Reynolds,						1	
Linden st., at hydrant east of						1	
Ashland,						1	
Linden st., east side Ashland,			1				
Lombard st., S. side Rockland,							1
Merrimac st., west side State,					1		
Morgan st., east side Ash,							1
North st., east side Park,						1	
Ocean st., south side Arnold,						1	
Palmer st., south side Kempton,						1	
Pope st., west side State,							1
Pope st., east side State,						1	
State st., north side Merrimac,		1					
State st., south side Linden,		1					
Wamsutta st., east side Purchase,					1		
Water st., north side Cove,						1	
Willis st., E. side Acushnet ave.,							1
Total,	1	2	2	1	8	20	8

REMOVED.

Linden street, east side Ashland,	4-inch.
State street, south side Linden,	6-inch.
State street, north side Hazard,	6-inch.
State street, south side Merrimac,	6-inch.
Number of stop-gates set in 1887,	42
Number removed in 1887,	4
	<hr/> 38
Number in use at date of last report,	509
Total number in use, Dec. 1st, 1887,	<hr/> 547

TABLE F.

SMALL SIZED STOP-GATES SET IN 1887.

LOCATION.	SIZE.	
	2 in.	$\frac{3}{4}$ in.
Acushnet ave., cor. Willis st., at watering-cart hydrant,	1	1
Hall street, south side Rockland,	1	
Holden court, west side Cottage street,	1	
Total,	2	1

Number of small sized stop-gates set in 1887,	3
Removed, Dartmouth street, north side Fair, $\frac{3}{4}$ -inch,	1
	<hr/> 2
Previous,	57
Total number now in use,	<hr/> 59

TABLE G.

PRIVATE STOP-GATES SET IN 1887.

LOCATION.	SIZE.			
	6 in.	4 in.	3 in.	2 in.
Ash street, west side, at House of Correction,				1
Dartmouth street, east side, at George E. Briggs',				1
Dartmouth street, west side, at Rural cemetery,			1	
Prospect street, east side, at Pairpoint Manfg. Co.,		1		
Prospect street, east side, at Pairpoint Manfg. Co.,	1			
Prospect street, at Pairpoint Manfg. Co., meter,		1		
Total,	1	2	1	2

Number of private stop-gates set in 1887,	6
Previous to 1887,	106
	112
Number removed in 1887,	1
Total number now in use,	111

TABLE H.

WASTE-GATES SET IN 1887.

LOCATION.	SIZE.
	4 in.
Austin street, west of Cedar 222 feet,	1
Durfee street, at Wilson,	1
Linden street, west side State,	1
Merrimac street, middle of State,	1
State street, south side Linden,	1
Total,	5

Number set during 1887,	5
Previously set,	49
Number in use, Dec. 1st, 1887,	54

TABLE I.

LOCATION OF HYDRANTS SET IN 1887.

Austin street, southwest corner Ashland. Post.
Austin street, southeast corner Shawmut avenue. Post.
Austin street, south side, on west line Wilson. Post.
Austin street, southeast corner Cedar. Post.
Austin street, southwest corner Purchase. Post.
Cedar Grove street, south side, 383 feet west of Bowditch. Post.
Coggeshall street, south side, 72 feet east of Howard. Post.
County street, west side, 234½ feet south of Clark. Post.
County street, west side, 115 feet south of Weld. Post.
Dartmouth street, east side, 99 feet south of Thompson. Post.
Dartmouth street, east side, 260 feet south of Rockland. Post.
Division street, south side, 71½ feet east of Crapo. Post.
Division street, south side, 527 feet west of County. Post.
Division street, southeast corner Second. Post.
Durfee street, southwest corner Shawmut avenue. Post.
Durfee street, southwest corner Bulloch avenue. Post.
Durfee street, southwest corner Cedar. Post.
Fifth street, northwest corner Wing. Post.
Franklin street, southwest corner State. Post.
Harrison street, southwest corner Hickory. Post.
Katharine street, south side, 160½ feet west of County. Post.
Linden street, south side, 6½ feet east of Ashland. Post.
Linden street, south side, 67½ feet west of Reynolds. Post.
Lombard street, west side, 209½ feet south of Rockland. Post.
Merrimac street, southwest corner State. Post.
Mt. Pleasant street, northwest corner Durfee. Post.
North street, southwest corner Park. Post.
North street, southeast corner Newton. Post.
Ocean street, west side, 184½ feet south of Arnold. Post.
Park street, west side, 165½ feet south of Union. Post.
Palmer street, northwest corner Elm. Post.
Rounds street, northwest corner Elm. Post.
Rockland street, southwest corner Lombard. Post.
Robeson street, southwest corner County. Post.
Walnut street, southwest corner Seventh. Post.
Water street, west side, head of Pine. Post.
Willis street, south side, 42½ feet east of Willis court. Post.
Winsor street, south side, 336½ feet west of County. Post.

TAKEN UP.

Austin street, south side, 137 feet west of Cedar. Post.
 Austin street, south side, 423 feet east of Cedar. Post.
 Cedar Grove street, north side, 13 feet east of State. Post.
 Durfee street, southwest corner Cedar. Flush.
 County street, west side, 184 feet south of Clark. Post.
 Linden street, south side, 343 feet east of Ashland. Flush.
 Mt. Pleasant street, northwest corner Durfee. Flush.
 Purchase street, northwest corner Austin. Flush.
 Rockland street, south side, 162 feet east of Dartmouth. Post.
 Robeson street, southwest corner County. Flush.
 Rounds street, west side, 295 feet south of Kempton. Post.
 State street, southwest corner Franklin. Flush.
 State street, northwest corner Merrimac. Flush.
 Walnut street, southwest corner Seventh. Flush.
 Willis street, south side, 200 feet east of Summer. Post.
 Winsor street, south side, 300 feet west of County. Post.

Total number set during 1887,	38
Total number taken up during 1887,	16
	—
To be added to total number last reported,	22
Number in use at date of last report,	388
	<hr/>
Total number in use, Dec. 1st, 1887,	410

TABLE J.

STATEMENT OF WORK DONE BY THE SERVICE DEPARTMENT, FOR THE YEAR ENDING DEC. 1, 1887.

KIND AND SIZE.	Number of Services.	Length on Taker.	Length on City.
Lead pipe, $\frac{1}{2}$ -inch, heavy,	72	836.3	1,464
“ $\frac{3}{8}$ -inch, heavy,	73	907.7	1,355
“ $\frac{3}{8}$ -inch, light,	64	572.5	1,250
“ $\frac{1}{4}$ -inch, heavy,	1	10	26
“ $\frac{1}{4}$ -inch, light,	50	752	1,072
“ 1-inch, light,	8	164	182
Iron pipe, 2-inch,	1	24.5	
“ 3-inch,	1	765.5	
Total,	270	4,032.5	5,349

Two $\frac{1}{4}$ -inch iron services have been taken up and replaced with $\frac{1}{4}$ light lead.

One $\frac{3}{8}$ -inch light lead service has been taken up and replaced with $\frac{1}{4}$ light lead.

One $\frac{1}{4}$ -inch light lead service has been taken up and replaced with 2-inch cast-iron pipe.

One $\frac{1}{2}$ -inch heavy lead service has been taken up and replaced with $\frac{3}{8}$ light lead.

One 1-inch iron service has been taken up and replaced with 1-inch light lead.

One $\frac{3}{4}$ -inch heavy lead service has been taken up and replaced with a new $\frac{3}{4}$ heavy service.

EXTENSIONS MADE TO SERVICES PREVIOUSLY LAID.

	Number.	Length.
Lead pipe, $\frac{3}{4}$ -inch, heavy,	1	81
“ 1-inch, light,	1	30
“ extension made by owner,	1	
Total,	3	111

Length of service pipe laid during the year, 9492.5 ft. = $1\frac{797.8}{10000}$ miles.

Total number of services in use, Dec. 1, 1887, 5,495

TABLE K.

COMPLETE LIST OF PIPES LAID PREVIOUS TO DEC. 1ST,
1887, THEIR LOCATION AND SIZES.

NOTE.—All lines of cement-lined pipe are marked in this table with an asterisk (*.)

[illegible]

LIST OF PIPES—*Continued.*

STREETS.	LENGTH OF LINES IN FEET.								
	30in.	24in.	20in.	16in.	12in.	10in.	8 in.	6 in.	4 in.
Bowditch, Weld to 74 feet north of Cedar Grove,									858
Bridge ave., Front east,								359	
Campbell, Acushnet ave. west,									132
Campbell, Purchase to State,									660
Campbell, State to 109½ feet west of County,									572
Campbell, Chestnut to 144 feet west of Cottage,								398	
Campbell, Cedar to 200 feet west of Emerson,									697
Cannon, Water to Second,									390
Cedar, Court to Kempton,								1050	
Cedar, Kempton to Durfee,				4644					
Cedar Grove, Front east,									17
Cedar Grove, Front to Acushnet avenue,								741	
Cedar Grove, Acushnet ave. to 396 feet west of Bowditch,									671
Cedar Grove, Purchase to State,						306			
Centre, 86 feet east of Water east,									352
Chancery, Arnold north,									434
Chancery, Middle to 221 feet south of Elm,								446	
Chancery, Kempton to Hillman,									694
Chancery, 178 feet south of Parker to 264 feet north of Parker,								482	
Cherry, County east,									277
Chestnut, Kempton to Parker,									2436
Chestnut, Parker north,								106	
Chestnut, N. line Pope to Locust,								269	
City wharf, Water east,									135
Clark, Purchase to County,									602
Clinton, Cottage to 126 feet east of Orchard,									619
Clinton, Ash to 234½ ft. west of Ash,									257
Coffin ave., Purchase to Church,							163		
Coffin ave., Church to 1 foot east of Bowditch,								968	
Coffin, Water east,									290
Coffin, First to Second,									211
Coggeshall, Acushnet ave. east,								407	
Coggeshall, Purchase to County,								359	
Commercial, Front east,									165
Commercial, Water east,									97
Common, north line Pearl at Pleasant to south line Pope at State,			491						
Cottage, Dartmouth to 16-inch main in Allen street,								478	
Cottage, 4-inch main in Allen st. to Bedford,								384	
Cottage, Bedford north,									169
Cottage, Grove to Court,									2078*
Cottage, Kempton south,								29	
Cottage, Kempton to Maxfield,									1013*
Cottage, Maxfield to Smith,									595
Cottage, 89 feet south of Willis to 128 feet north of Willis,								257	
Cottage, Locust north,									266
County, 8 feet south of north line Cove road to Cove street,								397	
County, Cove to Rivet,						1579			
County, Rivet to South,								1350	
County, South to Wing,								1155*	
County, Wing to Allen,							47		
County, Allen to Union,							2654*		
County, Union to Hillman,						2059*			

[illegible]

LIST OF PIPES — *Continued.*

STREETS.	LENGTH OF LINES IN FEET.								
	30in.	24in.	20in.	16in.	12in.	10in.	8 in.	6 in.	4 in.
French ave., Cove to 15 feet south of Cove road,									670
Front, 1 foot south of north line Blackmer to Delano,							454		
Front, Potomaska to Howland,								1998	1646
Front, Walnut to 87 feet north of Middle,									
Front, Wamsutta to Logan,							1050		
Front, Logan to Kilburn,								383	
Front, Kilburn to Hicks,							95		
Front, Hicks to Washburn,								213	
Gammons lane, Linden court to Ashland,									502
Geo. Howland's wharf, Water east,									176
Gifford, Water east,									279
Grape, Oak west,								721	
Green, Allen to Bedford,									387
Griffin, Water to Acushnet ave.,									619
Grinnell, Prospect to Water,									410
Grinnell, Water to Orchard,					2383				
Grinnell, Orchard to Dartmouth,									418
Grove, Cottage to Anthony,									219*
Grove, Ash east,								321	
Hall's court, William south,									219
Harrison, Oak to 6 feet south of Hickory,								337	
Hawthorn, County to Orchard,									560
Hawthorn, Orchard to Cottage,									472*
Hawthorn, Cottage to 121 feet west of Page,									1560
Hawthorn, 121 feet west of Page to 301 feet west of Brigham,							1294		
Hazard, Purchase to County,									950
Hazard Court, Austin to Hazard,									395
Hazard's wharf, Front east,									30
Hicks, Acushnet ave. to Front,							870		
High, Second to County,									1699
Hillman, Water to Purchase,							838		
Hillman, Purchase to 30 feet east of Pleasant street main,								223*	
Hillman, Pleasant st. main east,						30			
Hillman, Pleasant to County,							976*		
Hillman, County west,								101	
Hillman, Summer to Cottage,								481	
Hillman, Cedar west,									109
Hill, Mill to Hillman,									545
Howard, Cedar Grove north,									178
Howland, Prospect to Acushnet av.									1034
Hunter, Kempton to North,								406	
Irving court, Hawthorn north,									280
Jenney, Court to Kempton,							1048		
Katharine, County west,								178	
Kempton, Purchase to 21 feet east of Pleasant street main,									226
Kempton, Pleasant st. main east,						21			
Kempton, Pleasant to Foster,									208
Kempton, Foster to County,									749*
Kempton, County to Cottage,								823*	
Kempton, Cottage to Cedar,								365	
Kempton, Cedar to Ash,				224					
Kempton, Ash to 16 feet east of Rockdale avenue,							3547		
Kilburn, Front east,							763		
Liberty, Kempton south,									438
Lincoln, Arnold to Union,									640
Linden, Purchase to E. line State,								488	
Linden, State street main east,						26			

LIST OF PIPES—*Continued.*

[illegible]

LIST OF PIPES — *Continued.*

STREETS.	LENGTH OF LINES IN FEET.							
	30 in.	24 in.	20 in.	16 in.	12 in.	10 in.	8 in.	6 in. 4 in.
Park, 170 feet south of Union to Kempton,							1510	
Parker, County to Chancery,							2124	
Pearl, Acushnet ave. to Purchase,								285
Pearl, Pleasant east,						40		
Pearl, Pleasant to State,								327
Peckham, Pumping Station to Distributing Reservoir,	1879	322		2135	28			
Penniman, Purchase to County,								630
P. & R. Coal and Iron Co. wharf, Front east,								233
Pine, Cross to Water,								266
Pleasant, Union to William,								408
Pleasant, 52 feet north from north line William to north line Pearl,			3176					
Pleasant, Pope to Weld,								2365
Pope, State to County,								444
Potomska, 328 feet east of Prospect to Water,						696	29	26
Potomska, Water to Second,							415	
Potomska, Second to Acushnet av.,								247
Prospect, Potomska to Howland,								1618
Purchase, Union to Pearl,						3663*		
Purchase, Pearl to Pumping Sta.,						4096		
Purchase, Cedar Grove to Coggeshall,								613
Purchase, force main to Dean,				2247				
Purchase, Dean to Coffin avenue,							318	
Reynolds, Linden to 268 feet north of Weld,								817
Ricketson's court, Sixth west,								321
Richmond, Parker north,								
Rivet, Water to County,							1097	263
Robeson, County to Ashland,					375*			
Robeson, Ashland west,								210
Robeson, 7 feet east of Cedar to 252 feet west of Cedar,								399
Rockland, County to 13½ feet east of Orchard,							1290	
Rockland, Lombard to Dartmouth,							306	
Rock, Washburn south,								156
Rodman, 181 feet east of Front to Water,								495
Rounds, Kempton south,								654
Russell, Acushnet ave. to Fourth,							252	
Russell, Fourth to Sixth,								480
School, Front west,								174
School, First to Second,								207
School, Acushnet ave. to Fourth,								250
School, Fourth to Sixth,								501
School, Sixth to Seventh,								250*
School, Seventh to County,								371
Sears, Washington to Fair,								288
Sears court, Purchase west,								202
Second, Division south,							110	
Second, Delano north,							11	
Second, Blackmer south,							247	
Second, Blackmer to Cannon,							3387	
Second, Cannon to William,								2210
Second, William to Maxfield,								1963
Seneca, Acushnet ave. east,								308
Seventh, Cherry to Walnut,								534
Seventh, Walnut to Spring,								645*
Seventh, Union South,								18
Sherman, County to Bonney,								722
Sixth, Grinnell to Bedford,								983
Sixth, Bedford to Middle,								3170*

LIST OF PIPES—*Continued.*

STREETS.	LENGTH OF LINES IN FEET.								
	30in.	24in.	20in.	16in.	12in.	10in.	8 in.	6 in.	4 in.
Smith, County to 415 feet west of Emerson,								2118	
South, Prospect to Water,								412	
South, Water to County,								1099*	
Spring, First east,								14	
Spring, Second west,									174
Spring, Acushnet ave. east,								53	
Spring, Fourth to Seventh,									757
Spring, Seventh to Eighth,									255*
Spruce, North to Smith,									1189
Spruce, Parker north,								204	
State, Hillman to Maxfield,								299	
State, Maxfield to Willis,									1026*
State, Willis to Pearl,									263
State, north line Pope to Linden,			1827						
State, Linden to force main,				1786					
Steamboat wharf, Front east,									145
Summer, Elm to Kempton,								574	
Summer, North to Parker,									2018
Sycamore, Pleasant to State,								418	
Sycamore, State to Chestnut,									1115
Sycamore, Spruce to 69 feet west of Ash,									503
Taber's wharf, Front east,									223
Thomas, Hillman to Sycamore,									615
Thompson, County west,									425
Tremont, Arnold south,								300	
Tremont, Arnold to Court,							924		
Union, Front to Water,									284
Union, Water to County,							2105*		
Union, County to Lincoln,									1001
Union, Lincoln to Ash,								347	
Union, Park west,								358	
Walden, Hillman to Sycamore,									615
Wall, Acushnet ave. east,									274
Walnut, Front to Acushnet ave.,								890	
Walnut, Acushnet ave. to County,								1263*	
Wamsutta, Front to Purchase,							1250		
Warwick, Rockland south,									229
Washburn, Rock to Front,									407
Washburn, Front to Acushnet av.,								858	
Washington, Fourth to County,								362	
Washington, County to Bonney,									947*
Washington, Bonney to Sears,								438	
Washington, Sears to Dartmouth,									388
Water, Cove to Hillman,								8844	
Weld, Bowditch west,							113		
Weld, Pleasant to 3 ft. W. of State,						268			
Weld, Reynolds east,							13		
William, Water to Purchase,									835
William, Purchase to County,									1258*
Willis, Acushnet ave. to State,								944	
Willis, State to County,								338*	
Willis, Summer east,								314	
Willis, Summer to Chestnut,									240
Willis, Chestnut to 145 feet west of Emerson,								1228	
Winsor, County west,								355	
Wing, Acushnet ave. to County,							971		
Cement lined pipe,					6179	5722	7514	9342	20682
Cast-iron pipe,	1879	2373	5494	17595	3110	6371	43616	77635	79607
Totals,	1879	2373	5494	17595	9289	12093	51130	86977	100289

SUMMARY.

	30 in.	24 in.	20 in.	16 in.	12 in.	10 in.	8 in.	6 in.	4 in.
Previous to 1887 :									
Cement,					6179	5722	7514	9342	20682
Cast-iron,	1879	1972	3159	16567	3110	6181	40665	73476	78465
Cast-iron laid in 1887,		401	2335	1028		190	2951	6298	1872
Total pipe laid,	1879	2373	5494	17595	9289	12093	51130	89116	101019
Cast-iron removed in 1887,								2139	730
Total pipe now in use,	1879	2373	5494	17595	9289	12093	51130	86977	100289

Total length laid in 1887, 15,075 feet = $2\frac{8551}{10000}$ miles.
Total length removed in 1887, 2869 feet = $\frac{5434}{10000}$ miles.
Total length of pipe now in use, 287,119 feet = $54\frac{3786}{10000}$ miles.

TABLE L.

COMPLETE LIST OF SMALL-SIZE DISTRIBUTION PIPE.

STREETS.	Cast Iron.		Wrght. Iron.	Lead.			
	3 in.	2 in.	2 in.	2 in.	1 in.	$\frac{3}{4}$ in.	$\frac{1}{2}$ in.
Bridge st., from street on Fish Island to Yacht Club House,			1081	20			
Briggs court, Allen to 58 ft. north of Allen,		88					
Central wharf, end of 4-in. pipe E.,	45						120
Chancery st., Arnold south,							
Cherry, east line Seventh east 37 ft., thence to south line Cherry,		51					
Cornell place, Bowditch st. west,		224					
County ave., County street east,		233					
Fish Island, from siphon to Bridge street,			129				
Front st., Potomska south,						55	
Fulton court, Logan street north,		34					
Grinnell st., Prospect east,	137						
Hampton court, Logan st. north,		34					
Hillman st., Summer east,				110			
Hillman court, Hillman st. north,						138	
Holden court, Cottage st. west,		112					
Kempton st., Acushnet ave. to 73 feet east of Acushnet ave.,		99					
Maiden lane, First st. west to 158 feet west of First,		172					
Merrimac st. court, Merrimac N.,					149		
Myrtle st., Peckham south,					74		
North Oak st., Pope north,		173					
Onoko court, Coffin avenue north,	216						
Pope st., Purchase west,							92
Pope st., from end of 6-inch pipe at State street east,						119	
Potomska st., Acushnet ave. west,							84
Rockland st., Fourth west,						135	
Seventh st., Bedford to 139 feet north of Bedford,		165					
Siphon, from Bridge abutment to Fish Island,				402			
Smith st. court, Smith north,	92	78					
Sullivan st., Middle to 142 feet north of Middle,		168					
Swamp st., Cedar to Sullivan,		254					
Taber's wharf, end of 4-in. pipe E.,	4						
Turner's court, Acushnet ave. east,					229		
Walden st., Sycamore north,						94	
Ward st., Allen, north,						186	
Waverly st., Allen north,	216						
	710	1885	1210	422	562	727	296

TABLE M.

LIST OF STOP-GATES SET PREVIOUS TO DEC. 1ST, 1887.

STREETS.	LOCATION.	SIZE.							
		30 in.	24 in.	20 in.	16 in.	12 in.	10 in.	8 in.	6 in.
Acushnet ave.,	116.5 feet north of Washburn; 17.6 feet east from west line Acushnet avenue,							1	
Acushnet ave.,	1.7 feet north from north line Logan; 16 feet east from W. line Acushnet avenue,							1	
Acushnet ave.,	3.4 feet south from south line Logan; 16 feet east from W. line Acushnet avenue,							1	
Acushnet ave.,	335 feet south from south line at hydrant, Logan; 1.2 feet east from W. line Acushnet ave.,								1
Acushnet ave.,	372 feet north from north line at hydrant, Wamsutta; 6.7 feet east from west line Acushnet avenue,								1
Acushnet ave.,	10.4 feet south from south line Wamsutta; 17 feet east from west line Acushnet avenue,							1	
Acushnet ave.,	2 feet south from south line Campbell; 14 feet east from west line Acushnet avenue,							1	
Acushnet ave.,	6.4 feet north from north line Hillman; 14 feet east from west line Acushnet avenue,							1	
Acushnet ave.,	5.5 feet south from south line Hillman; 14 feet east from west line Acushnet avenue,							1	
Acushnet ave.,	On north line Kempton; 14 ft. east from west line Acushnet avenue,							1	
Acushnet ave.,	On south line Elm; 13.7 feet east from west line Acushnet avenue,						1		
Acushnet ave.,	1.4 feet north from north line Union; 13.8 feet east from west line Acushnet avenue,						1		
Acushnet ave.,	On south line Union; 15 feet east from west line Acushnet avenue,						1		
Acushnet ave.,	On north line Walnut; 14 feet east from west line Acushnet avenue,						1		
Acushnet ave.,	On south line Walnut; 14 feet east from west line Acushnet avenue,								1

LIST OF STOP-GATES — *Continued.*

STREETS.	LOCATION.	SIZE.							
		30 in.	24 in.	20 in.	16 in.	12 in.	10 in.	8 in.	6 in.
Acushnet ave.,	3.8 feet north from south line Bedford; 13 feet east from west line Acushnet avenue,								1
Acushnet ave.,	On north line Grinnell; 14.5 ft. east from west line Acushnet avenue,								1
Acushnet ave.,	3 feet south from north line South; 14 feet east from west line Acushnet avenue,								1
Acushnet ave.,	On south line South; 14 feet east from west line Acushnet avenue,								1
Acushnet ave.,	3 feet south from south line Rivet; 13 feet east from west line Acushnet avenue,								1
Allen,	On west line County; 14 feet north from south line Allen,								1
Allen,	On east line Orchard; 14 feet north from south line Allen,								1
Allen,	43.4 feet west from west line Orchard; 14 feet north from south line Allen,				1				
Arnold,	On east line Ash; 14 feet north from south line Arnold,							1	
Arnold,	5.5 feet west from west line Ash; 14 feet north from south line Arnold,							1	
Ash,	1 foot south from south line Hillman; 14 feet east from west line Ash,								1
Ash,	7 feet south from south line Kempton; 20 feet east from west line Ash,				1				
Ash,	On south line Court; 14 feet east from west line Ash,				1				
Ash,	On south line Arnold; 14 feet east from west line Ash,				1				
Ash,	2 feet north from south line Hawthorn; 13.6 feet east from west line Ash,				1				
Ashland,	On north line Durfee; 13 feet east from west line Ashland,							1	
Atlantic,	On south line Arnold; 14 feet east from west line Atlantic,								1
Atlantic,	On north line Arnold; 14 feet east from west line Atlantic,								1
Austin,	On west line Purchase; 17.4 ft. north from south line Austin,								1

LIST OF STOP-GATES — *Continued.*

STREETS.	LOCATION.	SIZE.							
		30 in.	24 in.	20 in.	16 in.	12 in.	10 in.	8 in.	6 in. 4 in.
Austin,	On east line State; 15 feet north from south line Austin,							1	
Austin,	On west line State; 16 ft. north from south line Austin,							1	
Austin,	1 foot west from east line Ashland; 14 feet north from S. line Austin,							1	
Austin,	On west line Ashland; 13 feet north from south line Austin,							1	
Austin,	On east line Cedar; 12 ft. north from south line Austin,							1	
Austin,	On west line Cedar; 12 ft. north from south line Austin,							1	
Austin court,	1 foot north from north line Hazard; 16 feet east from house west side Austin court,								1
Bay,	On east line Borden; 14 feet north from south line Bay,							1	
Bay,	On west line Borden; 14 feet north from south line Bay,							1	
Bedford,	6 ft. west from W. line Fourth; 14.5 feet north from S. line Bedford,							1	
Bedford,	On east line Sixth; 14 ft. north from south line Bedford,							1	
Bedford,	2.4 feet west from east line County; 14 feet north from south line Bedford,							1	
Bedford,	On west line County; 14 feet north from S. line Bedford,								1
Bedford,	17.4 feet east from west line Borden; 14 feet north from south line Bedford,								1
Beech,	2 feet south from north line Kempton; 14 feet east from west line Beech,							1	
Bethel,	2.5 feet north from north line Union; 14 feet east from W. line Bethel,								1
Blackmer,	On east line Front; 18 ft. north from south line Blackmer,							1	
Blackmer,	On east line Second; 14 ft. north from south line Blackmer,						1		
Blackmer,	On east line County; 14 ft. north from south line Blackmer,							1	
Bonney,	On north line Grinnell; 14 feet east from west line Bonney,								1
Bonney,	On south line Grinnell; 14 feet east from west line Bonney,								1

LIST OF STOP-GATES—*Continued.*

STREETS.	LOCATION.	SIZE.							
		30 in.	24 in.	20 in.	16 in.	12 in.	10 in.	8 in.	6 in.
Bonney,	1.5 feet south from south line Washington; 14 ft. east from west line Bonney,								1
Borden,	5 feet south from south line Bedford; 7.5 feet east from west line Borden.				1				
Borden,	On south line Allen; 13.2 feet east from west line Borden,						1		
Bowditch,	0.5 feet north from north line Logan; 14 feet east from west line Bowditch,								1
Bowditch,	On north line Weld; 17.5 feet east from W. line Bowditch.								1
Bridge,	320.8 feet east from Front; 5.2 ft. north from S. line Bridge; 13.2 ft. W. from W. line draw,								1
Campbell,	9.5 ft. west from west line Purchase; 14 feet north from south line Campbell,								1
Campbell,	On east line Pleasant; 14.8 feet north from S. line Campbell,								1
Campbell,	On west line Pleasant; 14 feet north from S. line Campbell,								1
Campbell,	On east line County; 14 feet north from S. line Campbell,								1
Campbell,	On west line County; 14 feet north from S. line Campbell,								1
Campbell,	On west line Chestnut; 14 feet north from S. line Campbell,							1	
Campbell,	On west line Cedar; 14 ft. north from south line Campbell,								1
Cannon,	11 feet west from west line Water; 14 feet north from south line Cannon,								1
Cedar,	On south line Parker; 13.5 feet east from west line Cedar,				1				
Cedar,	3 feet north from north line E. Maxfield; 14 feet east from west line Cedar,				1				
Cedar,	11 feet south from north line Kempton; 13.5 feet east from west line Cedar,								1
Cedar,	4 feet south from north line Court; 14 feet east from west line Cedar,								1
Cedar Grove,	1.5 feet east from east line Acushnet ave.; 11 feet north from south line Cedar Grove,								1

LIST OF STOP-GATES — *Continued.*

STREETS.	LOCATION.	SIZE.							
		30 in.	24 in.	20 in.	16 in.	12 in.	10 in.	8 in.	6 in.
Cedar Grove,	On west line Acushnet ave.; 16 feet north from south line Cedar Grove,								1
Cedar Grove,	On west line Purchase; 12 feet north from south line Cedar Grove,						1		
Cedar Grove,	On east line State; 14 ft. north from south line Cedar Grove,						1		
Centre,	1 ft. east from east line Front; 14 feet north from south line Centre,								1
Chancery,	On north line Parker; 15 feet east from west line Chancery,							1	
Chancery,	1 foot south from south line Parker; 13.8 feet east from west line Chancery,							1	
Chancery,	On north line Kempton; 9 feet east from west line Chancery,								1
Chancery,	1 foot south from north line Arnold; 26.2 feet west from east line Chancery,								1
Cherry,	0.5 feet east from east line County; 14 feet north from south line Cherry,								1
Chestnut,	On north line Parker; 14 feet east from west line Chestnut,							1	
Chestnut,	On south line Parker; 13.5 feet east from west line Chestnut,								1
Chestnut,	On north line Smith; 15 feet east from west line Chestnut,								1
Chestnut,	On south line Smith; 14 feet east from west line Chestnut,								1
Chestnut,	1 foot south from south line Hillman; 14 feet east from west line Chestnut,								1
Chestnut,	On north line Kempton; 14 feet east from west line Chestnut,								1
City wharf,	12.8 feet west from east line Water; 3 feet south from north line wharf,								1
Clark.	On west line Purchase; 14 feet north from south line Clark,								1
Clark,	On east line State; 14 ft. north from south line Clark,								1
Clark,	On west line State; 14 ft. north from south line Clark,								1
Clinton,	2 feet west from east line Cot- tage; 14 ft. north from south line Clinton,								1

LIST OF STOP-GATES — *Continued.*

STREETS.	LOCATION.	SIZE.							
		30 in.	24 in.	20 in.	16 in.	12 in.	10 in.	8 in.	6 in. 4 in.
Clinton,	3 feet west from west line Ash; 14 feet north from south line Clinton,								1
Coffin,	1.3 feet west from east line Water; 14.3 feet north from south line Coffin,								1
Coffin ave.,	2 feet east from east line North Purchase; 19 feet north from north line Coffin ave.,							1	
Coggeshall,	1 ft. east from east line Acush- net ave.; 19 feet north from south line Coggeshall,							1	
Coggeshall,	On west line Purchase; 14 feet north from south line Cogges- hall,							1	
Commercial,	16.5 feet west from east line Front; 25 feet south from north line Commercial,								1
Commercial,	On east line Water; 18 ft. north from south line Commercial,								1
Cottage,	On west line Dartmouth; 14 ft. north from S. line Cottage,							1	
Cottage,	0.8 feet south from south line Allen; 14 feet east from west line Cottage,							1	
Cottage,	On north line Allen; 14 ft. east from west line Cottage,							1	
Cottage,	On south line Hawthorn; 14 ft. east from west line Cottage,								1
Cottage,	On south line Clinton; 14 feet east from west line Cottage,								1
Cottage,	2 feet south from south line Court; 14 feet east from west line Cottage,								1
Cottage,	On south line Kempton; 14 ft. east from west line Cottage,							1	
Cottage,	On north line Kempton; 14 ft. east from west line Cottage,								1
Cottage,	On south line Hillman; 14 feet east from west line Cottage,								1
Cottage,	3.5 feet south from south line Smith; 14 feet east from west line Cottage,								1
County,	On north line Linden; 18 feet east from west line County,							1	
County,	5.4 feet south from south line Linden; 16 feet east from west line County,								1

LIST OF STOP-GATES — *Continued.*

STREETS.	LOCATION.	SIZE.							
		30 in.	24 in.	20 in.	16 in.	12 in.	10 in.	8 in.	6 in.
Cove,	On east line Water; 16 ft. north from south line Cove,							1	
Cove,	2.4 feet east from west line Water; 14.8 feet north from south line Cove,							1	
Crapo,	6 feet south from south line Grinnell; 14 feet east from west line Crapo,							1	
Crapo,	On south line Washington; 14 feet east from W. line Crapo,								1
Crapo,	On south line Rockland; 14 ft. east from west line Crapo,								1
Dartmouth,	0.5 feet south from west line Orchard; 16 feet west from east line Dartmouth,							1	
Dartmouth,	On south line Rockland; 33.5 ft. east from W. line Dartmouth,						1		
Delano,	On east line Water; 14 ft. north from south line Delano,							1	
Delano,	2 feet west from west line Water; 14 feet north from south line Delano,							1	
Delano,	On east line County; 14 feet north from south line Delano,							1	
Distrib. Resv.,	Gate-house,				1		1		
Division,	1.5 feet west from west line Water; 14 feet north from south line Division,							1	
Division,	On west line County; 14 feet north from S. line Division,							1	
Dover,	On west line Second; 7 ft. north from south line Dover,								1
Durfee,	10 feet west from east line Mt. Pleasant; 1 foot south from north line Durfee,		1						
Durfee,	21 feet west from west line Mt. Pleasant; 15 feet north from south line Durfee,				1				
Durfee,	On west line Cedar; 14 ft. north from south line Durfee,						1		
Durfee,	On east line Shawmut ave.; 14 ft. north from S. line Durfee,						1		
Durfee,	On W. line Shawmut ave.; 14.4 ft. north from S. line Durfee,							1	
Eighth,	On north line William; 14 feet east from west line Eighth,								1
Eighth,	7 feet north from north line Union; 15 feet east from west line Eighth,								1

LIST OF STOP-GATES — *Continued.*

STREETS.	LOCATION.	SIZE.							
		30 in.	24 in.	20 in.	16 in.	12 in.	10 in.	8 in.	6 in.
First,	2 feet north from south line Union; 13 ft. east from west line First,								1
First,	On south line Walnut; 14 feet east from west line First,								1
First,	3 feet north from north line Grinnell; 11 feet east from west line First,								1
First,	1 foot south from south line Grinnell; 16 feet east from west line First,								1
First,	19.5 feet south from south line South; 14 feet east from west line First,								1
First,	On north line Potomska; 14 ft. east from west line First,								1
First,	On south line Rivet; 11 ft. east from west line First,								1
First,	2 feet south from south line Blackmer; 14.5 feet east from west line First,								1
Florence,	1.5 feet north from north line Kempton; 14 feet east from west line Florence,							1	
Florence,	On south line Kempton; 14 feet east from west line Florence,								1
Florence,	On north line Court; 14 ft. east from west line Florence,								1
Forest,	1.2 feet west from west line County; 14 feet north from south line Forest,								1
Foster,	5.2 feet south from south line Kempton; 14 feet east from west line Foster,								1
Foster,	1.4 feet south from south line North; 14 feet east from west line Foster,								1
Foster,	On south line Hillman; 14 feet east from west line Foster,								1
Fourth,	12.5 feet south from south line Union; 17 feet east from west line Fourth,							1	
Fourth,	1 foot south from south line Walnut; 13.5 feet east from west line Fourth,								1
Fourth,	4.5 feet south from south line Bedford; 14 feet east from west line Fourth,							1	

LIST OF STOP-GATES—*Continued.*

STREETS.	LOCATION.	SIZE.							
		30 in.	24 in.	20 in.	16 in.	12 in.	10 in.	8 in.	6 in. 4 in.
Grinnell,	1.6 feet east from east line Water; 14 feet north from south line Grinnell,								1
Grinnell,	On west line Water; 14 ft. north from south line Grinnell,					1			
Grinnell,	On east line Acushnet ave.; 14 feet north from south line Grinnell,					1			
Grinnell,	On east line Fifth; 14 ft. north from south line Grinnell,					1			
Grinnell,	On east line Bonney; 14 feet north from S. line Grinnell,					1			
Grinnell,	On west line Orchard; 14 feet north from S. line Grinnell,								1
Grove,	On east line Ash; 15 ft. north from south line Grove,							1	
Hall's court,	6 feet north from south line William; 2 feet west from east line court,								1
Hawthorn,	On west line County; 14 feet north from south line Hawthorn,								1
Hawthorn,	On east line Ash; 16 feet north from south line Hawthorn,								1
Hawthorn,	1 foot west from west line Ash; 18.5 feet north from south line Hawthorn,								1
Hawthorn,	On west line Tremont; 18 feet north from S. line Hawthorn,							1	
Hazard,	3.5 feet west from west line Purchase; 15.5 ft. north from south line Hazard,								1
Hazard,	On east line State; 18 ft. north from south line Hazard,								1
Hazard,	On west line State; 18 ft. north from south line Hazard,								1
Hazard,	On east line County; 17.8 feet north from S. line Hazard,								1
Hazard court,	1.3 feet south from north line Hazard; 17.1 feet east from house on west side court,								1
Hicks,	1 ft. west from west line Front; 14 ft. north from S. line Hicks,							1	
High,	7.8 feet east from west line Second; 14.5 feet north from south line High,								1
High,	7.2 feet east from east line Purchase; 13.5 feet north from south line High,								1

LIST OF STOP-GATES — *Continued.*

STREETS.	LOCATION.	SIZE.							
		30 in.	24 in.	20 in.	16 in.	12 in.	10 in.	8 in.	6 in.
High,	0.8 feet west from west line Purchase; 11 feet north from south line High,								1
High,	On east line Pleasant; 11.2 feet north from south line High,								1
High,	On west line Pleasant; 11.2 feet north from south line High,								1
High,	On east line County; 13 feet north from south line High,								1
Hill,	4 ft. south from S. line North; 14 ft. east from west line Hill,								1
Hill,	7 feet north from south line Hillman; 15.5 feet east from west line Hill,								1
Hillman,	1.6 feet east from west line Water; 10.5 feet north from south line Hillman,							1	
Hillman,	8.5 feet west from east line Purchase; 11 feet north from south line Hillman,							1	
Hillman,	On west line Purchase; 11 feet north from S. line Hillman,							1	
Hillman,	1.4 feet west from east line Pleasant; 14.3 ft. north from south line Hillman,							1	
Hillman,	On west line Pleasant; 14.3 ft. north from S. line Hillman,							1	
Hillman,	7 feet east from east line Hill; 14 feet north from south line Hillman,							1	
Hillman,	3 feet west from east line County; 14 feet north from south line Hillman,							1	
Hillman,	On west line County; 14 feet north from S. line Hillman,								1
Hillman,	On east line Cottage; 13.6 feet north from S. line Hillman,								1
Hillman,	On west line Cedar; 14 ft. north from south line Hillman,								1
Howland's wharf,	On east line Water; 57.5 feet north from N. line North st.,								1
Howland,	1.5 feet east from east line Water; 13.2 feet north from south line Howland,								1
Howland,	On west line Water; 11.8 feet north from S. line Howland,								1
Howland,	3.7 feet east from east line Acushnet ave.; 10 feet north from south line Howland,								1

LIST OF STOP-GATES — *Continued.*

STREETS.	LOCATION.	SIZE.								
		30 in.	24 in.	20 in.	16 in.	12 in.	10 in.	8 in.	6 in.	4 in.
Hunter,	3.3 feet north from north line Kempton; 13.8 feet east from west line Hunter,								1	
Jenney,	0.4 feet north from south line Kempton; 11.5 ft. east from west line Jenney,							1		
Katharine,	On west line County; 18 feet north from S. line Katharine,								1	
Kempton,	12.7 feet west from west line Purchase; 11 feet north from south line Kempton,									1
Kempton,	2 ft. east from west line Pleasant; 14 feet north from south line Kempton,									1
Kempton,	10.8 feet west from east line Pleasant, south; 14 feet north from south line Kempton,						1			
Kempton,	On east line County; 14 feet north from S. line Kempton,								1	
Kempton,	1 foot west from west line County; 14.5 feet north from south line Kempton,								1	
Kempton,	4 ft. east from east line Cedar; 14 feet north from south line Kempton,								1	
Kempton,	1.5 ft. east from west line Ash; 14 feet north from south line Kempton,							1		
Kempton,	On east line Jenney; 14 feet north from S. line Kempton,							1		
Kempton,	4.5 feet west from west line Liberty; 14 feet north from south line Kempton,							1		
Kempton,	On east line Reed; 14 ft. north from south line Kempton,							1		
Kilburn,	1 ft. east from east line Front; 14.3 feet north from south line Kilburn,							1		
Liberty,	On south line Kempton; 14 feet east from west line Liberty,									1
Linden,	1.5 feet west from west line Purchase; 17.3 ft. north from south line Linden,								1	
Linden,	1 ft. west from east line State; 16 feet north from south line Linden,						1			
Linden,	8.7 feet west from west line State; 18 feet north from S. line Linden,				1					

LIST OF STOP-GATES — *Continued.*

STREETS.	LOCATION.	SIZE.							
		30 in.	24 in.	20 in.	16 in.	12 in.	10 in.	8 in.	6 in.
Linden, at hydrant,	13.4 feet west from west line State; 9.6 feet north from S. line Linden,								1
Linden, at hydrant,	60.5 feet west from west line North County; 10.8 ft. north from south line Linden,								1
Linden, at hydrant,	67.6 feet west from west line Reynolds; 9.4 ft. north from south line Linden,								1
Linden, at hydrant,	6.4 feet east from east line Ashland; 8.6 feet north from S. line Linden,								1
Linden,	4.6 feet east from east line Ashland; 14 ft. north from south line Linden,				1				
Linden court,	On south line Linden; 7.7 feet east from west line court,								1
Lindsey,	On south line Kempton; 14 feet east from west line Lindsey,								1
Locust,	0.7 feet east from west line County; 14 feet north from south line Locust,							1	
Locust,	2.4 feet east from east line Cedar; 13.5 feet north from south line Locust,							1	
Locust,	On west line Cedar; 14 ft. north from south line Locust,							1	
Lombard.	On south line Rockland; 18 ft. east from west line Lombard,								1
Logan,	On west line Front; 16 ft. north from south line Logan,								1
Logan,	5.5 feet east from east line Purchase; 15.5 feet north from south line Logan,								1
Madison,	3 ft. west from west line Water; 14 feet north from south line Madison,								1
Madison,	2 ft. east from east line Acushnet ave.; 14.6 feet north from south line Madison,								1
Madison,	6.7 feet east from west line Fourth; 14 feet north from south line Madison,								1
Madison,	On west line County; 14 feet north from S. line Madison,								1
Maitland,	On west line Cedar; 14 ft. north from south line Maitland,								1
Maple,	1.5 ft. east from E. line Ash; 14 ft. north from S. line Maple,								1

LIST OF STOP-GATES — *Continued.*

STREETS.	LOCATION.	SIZE.							
		30 in.	24 in.	20 in.	16 in.	12 in.	10 in.	8 in.	6 in.
Mosher,	On west line County; 14 feet north from S. line Mosher,								1
Mt. Pleasant,	68 feet north from north line Durfee; 20 ft. east from west line Mt. Pleasant,					1			
Mt. Pleasant,	44.5 feet south from north line Peckham; 30.5 feet east from west line Mt. Pleasant,				1				
Mt. Pleasant,	45 feet south from north line Peckham; 13 feet east from west line Mt. Pleasant,				1				
Mt. Pleasant,	68 feet south from north line Peckham; 9.5 feet east from west line Mt. Pleasant,				1				
Mt. Pleasant,	73.5 feet south from north line Peckham; 8 feet east from west line Mt. Pleasant,					1			
Mt. Pleasant,	72 feet south from north line Peckham; 6.8 feet west from east line Mt. Pleasant,		1						
Mt. Pleasant,	63.5 feet south from north line Peckham; 5.7 feet east from east line Mt. Pleasant,		1						
Mt. Vernon,	On west line Mt. Pleasant; 14 feet north from south line Mt. Vernon,								1
Newton,	1 foot south from south line Kempton; 14 feet east from west line Newton,							1	
North,	On west line Water; 14 ft. north from south line North,							1	
North,	6 ft. west from east line Acushnet ave.; 14 feet north from south line North,								1
North,	1.8 feet east from east line Purchase; 14 feet north from south line North,								1
North,	On west line Purchase; 12 feet north from south line North,								1
North,	1.3 ft. east from east line Pleasant; 14 feet north from south line North,							1	
North,	On west line Pleasant; 14 feet north from south line North,								1
North,	On east line County; 17.6 feet north from south line North,								1
North,	On east line Cedar; 14 ft. north from south line North,								1

LIST OF STOP-GATES—*Continued.*

[illegible]

LIST OF STOP-GATES — *Continued.*

STREETS.	LOCATION.	SIZE.							
		30 in.	24 in.	20 in.	16 in.	12 in.	10 in.	8 in.	6 in.
Sixth,	On north line William; 14 feet east from west line Sixth,								1
Sixth,	On north line Union; 14 ft. east from west line Sixth,								1
Sixth,	0.6 feet north from south line Union; 14 feet east from west line Sixth,								1
Sixth,	1.5 feet north from north line School; 14 feet east from west line Sixth,								1
Sixth,	1.8 feet south from south line Walnut; 14 feet east from west line Sixth,								1
Sixth,	2 feet south from south line Bedford; 14 feet east from west line Sixth,								1
Sixth,	On north line Grinnell; 11.5 ft. east from west line Sixth,								1
Smith,	11.6 feet west from west line County; 14 feet north from south line Smith,								1
Smith,	1.5 feet east from east line Cedar; 14 feet north from south line Smith,								1
Smith,	2.5 feet west from west line Cedar; 14 feet north from south line Smith,								1
South,	3.4 feet east from east line Water; 14 feet north from south line South,								1
South,	2 ft. west from west line Water; 14 feet north from south line South,								1
South,	On west line Second; 13.6 feet north from south line South,								1
South,	On east line County; 14 feet north from south line South,								1
Spring,	On west line Second; 14.3 feet north from south line Spring,								1
Spring,	2 ft. east from west line Fourth; 14.5 feet north from south line Spring,								1
Spring,	5 ft. east from east line Sixth; 14.5 feet north from south line Spring,								1
Spruce,	On south line Hillman; 14 feet east from west line Spruce,								1
Spruce,	On south line Smith; 14 feet east from west line Spruce,								1

LIST OF STOP-GATES — *Continued.*

STREETS.	LOCATION.	SIZE.							
		30 in.	24 in.	20 in.	16 in.	12 in.	10 in.	8 in.	6 in.
Spruce,	On north line Parker; 14 feet east from west line Spruce,								
State,	South side force main in engine-house lot,				1				1
State,	On north line Linden; 14 feet east from west line State,								
State,	2 feet south from south line Linden; 9.8 feet east from west line State,				1				
State,	2 feet north from north line Merrimac; 10 feet east from west line State,								
State,	1 foot south from south line Campbell; 14 feet east from west line State,								1
Steamboat wharf,	72 feet north from north line School; 17.6 feet west from east line Front,								1
Summer,	On south line Parker; 14 feet east from west line Summer,								1
Summer,	4 feet south from south line Smith; 14 feet east from west line Summer,								1
Summer,	On north line Smith; 14 ft. east from west line Summer,								1
Summer,	2 feet south from south line Hillman; 14 feet east from west line Summer,								1
Summer,	12 feet south from south line Kempton; 14 feet east from west line Summer,							1	
Summer,	On north line Elm; 14 ft. east from west line Summer,							1	
Sycamore,	1.5 feet east from west line Pleasant; 14 feet north from south line Sycamore,							1	
Sycamore,	On west line State; 14 ft. north from south line Sycamore,								1
Sycamore,	4 ft. east from east line County; 14.5 feet north from south line Sycamore,								1
Sycamore,	10 feet east from west line So. County; 14 feet north from south line Sycamore,								1
Sycamore,	On east line Cedar; 14.3 feet north from S. line Sycamore,								1
Sycamore,	5.5 feet west from west line Cedar; 13.5 feet north from south line Sycamore,								1

LIST OF STOP-GATES — *Continued.*

STREETS.	LOCATION.	SIZE.							
		30 in.	24 in.	20 in.	16 in.	12 in.	10 in.	8 in.	6 in.
Taber's wharf,	77.5 feet north from north line Union; 8 feet west from east line Front,								1
Thompson,	On west line County; 14.5 feet north from S. line Thompson,								1
Tremont,	2.7 feet north from north line Arnold; 14 ft. east from west line Tremont,							1	
Tremont,	2.7 feet south from south line Arnold; 14 ft. east from west line Tremont,								1
Union,	5.7 feet east from east line Water; 15 feet north from south line Union,								1
Union,	On east line Purchase; 16.2 ft. north from south line Union,							1	
Union,	10.2 feet west from west line Fourth; 15.8 feet north from south line Union,							1	
Union,	0.5 feet east from east line County; 16 feet north from south line Union,							1	
Union,	On west line So. County; 14 ft. north from south line Union,								1
Union,	1.5 feet east from west line Cottage; 14 feet north from south line Union,								1
Union,	On east line Ash; 14 feet north from south line Union,							1	
Wall,	On east line Acushnet ave.; 13.5 feet north from S. line Wall,								1
Walnut,	4 ft. east from E. line Front; 14 ft. north from S. line Walnut,								1
Walnut,	3.5 feet east from east line Water; 14.5 feet north from south line Walnut,								1
Walnut,	On west line Water; 13.6 feet north from S. line Walnut,								1
Walnut,	On west line Second; 14 feet north from S. line Walnut,								1
Walnut,	2.5 feet west from west line Fourth; 14 feet north from south line Walnut,								1
Walnut,	3 ft. east from east line County; 14.5 feet north from south line Walnut,								1
Wamsutta, at hydrant,	200 feet west from west line Front; 12 feet north from south line Wamsutta,								1

LIST OF STOP-GATES — *Concluded.*

STREETS.	LOCATION.	SIZE.								
		30 in.	24 in.	20 in.	16 in.	12 in.	10 in.	8 in.	6 in.	4 in.
Wing,	0.5 feet west from west line Acushnet ave.; 14 feet north from south line Wing,								1	
Wing,	On east line Sixth; 14 ft. north from south line Wing,							1		
Wing,	On east line County; 14 feet north from south line Wing,							1		
Winsor,	On west line County; 18 feet north from south line Winsor,								1	
Totals,		2	7	5	24	9	19	81	185	215

Total number of stop-gates, 547.

TABLE N.

COMPLETE LIST OF SMALL SIZED STOP-GATES.

STREETS.	LOCATION.	SIZE.				
		3 in.	2 in.	1 in.	1/2 in.	1/4 in.
Allen, at watering-cart hydrant,	154.4 feet east from east line Page; 8.4 ft. south from N. line Allen,		1			
Bedford, at watering-cart hydrant,	85.7 ft. west from west line Fourth; 8.2 feet north from south line Bedford,		1			
Bridge, Fish Island, for Club House,	11.7 ft. east from east line building; 3.6 ft. north from S. line Bridge,		1			
Briggs court, north side Allen,	1 foot west from west line Allen; 8.6 ft. north from S. line court,		1			
Campbell, at watering-cart hydrant,	87.3 feet west from west line Purchase; 8.4 feet north from south line Campbell,		1			
Cedar Grove, at watering-cart hdt.,	18.4 ft. west from west line Acushnet ave.; 8.2 ft. north from south line Cedar Grove,		1			
Coffin ave., at watering-cart hydrant,	7.4 ft. east from east line Bowditch; 9 ft. north from south line Coffin avenue,		1			
Cornell place, west side Bowditch,	On west line Bowditch; 12.7 feet north from S. line Cornell place,		1			
County ave., E. side County,	On east line County; 13 feet north from south line County ave.,		1			
Court, at watering-cart hydrant.	14.7 feet east from east line Ash; 8.3 ft. south from N. line Court,		1			
Dartmouth, at watering-cart hydrant,	13.2 ft. north from south line Oak; 8.2 feet west from east line Dartmouth,		1			
First, at watering-cart hydrant,	28.1 ft. south from south line Grinnell; 8.4 ft. east from W. line First,		1			
First, at watering-cart hydrant,	117.7 ft. south from S. line School; 8.2 feet east from west line First,		1			
Fish Island, at end of siphon,	46.5 feet south from Bridge; 8.5 ft. south from building; 8.9 ft. from face of wharf wall,		1			
Fulton court, north side Logan,	On north line Logan; 9.4 feet east from west line court,		1			
Grinnell, at watering-cart hydrant,	31 feet east from east line County; 8.6 ft. north from S. line Grinnell,		1			
Grinnell, east side Prospect,	On east line Prospect; 14 feet north from south line Grinnell,	1				
Hall, S. side Rockland,	On south line Rockland; 14 ft. east from west line Hall,					1
Hampton court, N. side Logan,	On north line Logan; 9.4 feet east from west line court,		1			
Hawthorn, at watering-cart hydrant,	17.3 ft. east from east line Cottage; 8.4 ft. north from south line Hawthorn,		1			

LIST OF SMALL SIZED STOP-GATES — *Continued.*

STREETS.	LOCATION.	SIZE.				
		3 in.	2 in.	1 in.	1/2 in.	1/4 in.
Hawthorn, at watering-cart hydrant,	14.4 feet east from west line Tremont; 10.3 feet north from south line Hawthorn,		1			
Hazard, at watering-cart hydrant,	20.7 feet west from west line Purchase; 8.6 feet north from south line Hazard.		1			
Hillman court, north side Hillman,	31 feet north from south line Hillman; 7 feet west from west line house,				1	
Holden court, west side Cottage,	On west line Cottage; 4.5 ft. north from south line court,		1			
Kempton, at watering-cart hydrant,	17.5 feet east from east line Noel Taber road; 9.8 feet north from south line Kempton,		1			
Kempton, at watering-cart hydrant,	102.3 feet east from east line Newton; 8.2 feet north from south line Kempton,		1			
Kempton, at watering-cart hydrant,	72.6 ft. west from W. line County; 8.2 ft. north from S. line Kempton.		1			
Kempton, east side Acushnet ave.,	0.6 ft. east from east line Acushnet ave.; 10.4 feet north from south line Kempton,		1			
Linden, at watering-cart hydrant,	30.2 feet west from west line Purchase; 8.3 feet north from south line Linden,		1			
Locust, at watering-cart hydrant,	24.6 ft. west from west line County; 8.8 ft. north from S. line Locust.		1			
Madison, at watering-cart hydrant,	38.3 ft. west from west line County; 8.3 ft. north from S. line Madison,		1			
Madison, at watering-cart hydrant,	17.3 ft. east from east line Fourth; 8.5 ft. north from S. line Madison.		1			
Maiden lane, west side First,	2 feet west from east line First; 10 feet south from north line lane,		1			
Merrimac st. court, N. side Merrimac,	On north line Merrimac; 8 ft. east from west line court,			1		
Mill, at watering-cart hydrant,	9.3 ft. west from west line Purchase; 8.2 ft. north from south line Mill.		1			
Morgan, west side Florence,	1.4 ft. west from west line Florence; 14 ft. north from S. line Morgan.			1		
Mt. Vernon, at watering-cart hydrant,	13.4 feet west from west line Mt. Pleasant; 8.5 feet north from south line Mt. Vernon,		1			
Myrtle, south side Peckham,	14.3 ft. east from west line Myrtle; 1.2 ft. south from S. line Peckham.			1		
North Oak, north side Pope,	1.2 ft. south from north line Pope; 14 feet east from west line North Oak,		1			
Old Point road, at watering-cart hydrant,	56.5 feet east from east line French ave.; 7.3 feet north from south line road,		1			

LIST OF SMALL SIZED STOP-GATES — *Concluded.*

STREETS.	LOCATION.	SIZE.				
		3 in.	2 in.	1 in.	3/4 in.	1/2 in.
Oneko lane, N. side Coffin ave.,	On north line Coffin ave. ; 5.7 ft. east from west line Oneko lane,	1				
Pleasant, at watering-cart hydrant,	9.6 feet north from north line Mechanics lane ; 8.2 feet west from east line Pleasant,		1			
Reynolds, at watering-cart hydrant,	8.4 ft. north from north line Linden ; 8.2 ft. east from W. line Reynolds,		1			
Robeson, at watering-cart hydrant,	38.6 ft. west from west line Cedar ; 8.7 ft. north from S. line Robeson,		1			
Seventh, north side Bedford,	On north line Bedford ; 14 ft. east from west line Seventh,		1			
Smith street court, north side Smith,	7.3 ft. south from north line Smith ; 12 ft. west from east line court,	1				
Smith, at watering-cart hydrant,	52.2 feet east from east line Park ; 8.2 ft. north from S. line Smith,		1			
Sullivan, north side Middle,	On north line Middle ; 18 feet west from east line Sullivan,		1			
Summer, at watering-cart hydrant,	4.5 ft. north from north line Hillman ; 8.2 feet east from west line Summer,		1			
Swamp, east side Cedar,	1.4 feet west from east line Cedar ; 14 ft. north from S. line Swamp,		1			
Sycamore, at watering-cart hydrant,	77.2 ft. west from west line County ; 8.4 feet north from south line Sycamore,		1			
Thompson, at watering-cart hydrant,	71.5 feet west from west line Warwick ; 8.4 feet north from south line Thompson,		1			
Turner's court, east side Acushnet ave.,	6.4 feet west from east line Acushnet ave. ; 8.4 feet north from south line court,			1		
Union, at watering-cart hydrant,	64.8 ft. west from west line County ; 8.6 ft. north from S. line Union,		1			
Ward, north side Allen,	On north line Allen ; 14.2 feet east from west line Ward,			1		
Water, at watering-cart hydrant,	5.8 ft. south from south line Blackmer ; 8.2 feet east from west line Water,		1			
Waverly, north side Allen,	1 foot north from north line Allen ; 14 ft. east from W. line Waverly,	1				
William, at watering-cart hydrant,	27.2 ft. east from east line Second ; 8.3 ft. north from S. line William,		1			
Willis, at Acushnet avenue,	7.5 ft. east from east line Acushnet ave. ; 3.3 feet north from south line Willis,		1			
	Totals,	4 48	4	2	1	

TABLE O.

LIST OF PRIVATE STOP-GATES.

STREETS.	LOCATION.	SIZE.				
		8 in.	6 in.	4 in.	3 in.	2 in.
Acushnet avenue, at Wamsutta Mills,	140.4 feet north from north line Wamsutta; 16 feet west from east line Acushnet ave.; 3.5 ft. north from south line fire escape No. 1,		1			
Acushnet avenue, at Wamsutta Mills,	253 ft. north from north line Wamsutta; 15.4 feet west from east line Acushnet ave.,		1			
Acushnet avenue, at Wamsutta Mills,	382.6 ft. north from north line Wamsutta; 14.6 ft. west from east line Acushnet ave.; 4 feet south from north line fire escape No. 2,		1			
Acushnet avenue, at Wamsutta Mills,	439 ft. south from south line Logan; 16 feet west from east line Acushnet ave.; 20.4 ft. north from north line fire escape No. 3,	1				
Acushnet avenue, at Wamsutta Mills,	322 ft. south from south line Logan; 14.3 ft. west from east line Acushnet ave.; on north line fire escape No. 4,		1			
Acushnet avenue, at Wamsutta Mills,	119 ft. south from south line Logan; 12.4 ft. west from east line Acushnet ave.; 4.7 ft. south from south line fire escape No. 5,		1			
Acushnet avenue, at O. C. R. R., south of Logan,	443 ft. south from south line Logan; 49 ft. west from east line Acushnet ave.; 7 feet north from north line hydrant,			1		
Acushnet avenue, at freight-house,	76 ft. south from south line Seneca; 4 feet east from west line Acushnet ave.,			1		
Acushnet avenue, at O. C. R. R.,	132.2 feet south from south line Pearl; 0.8 ft. west from east line Acushnet ave.; 1.8 ft. north from south line house No. 609,				1	
Acushnet avenue, at Gosnold Mills,	77 ft. south from south line Campbell; 18.6 feet west from east line Acushnet ave.,		1			
Acushnet avenue, at W. T. Meagher's,	2.6 feet north from north line Barker's lane; 8.4 feet east from west line Acushnet ave.,				1	
Acushnet avenue, at Taber, Read & Gardner's,	50.7 ft. north from north line Union; 6.8 ft. west from east line Acushnet ave.,					1
Ash, at Cordage Co.,	67.5 ft. north from north line Court; 10 feet east from west line Ash; 3.6 feet south from north line building,	1				

LIST OF PRIVATE STOP-GATES — *Continued.*

STREETS.	LOCATION.	SIZE.				
		8 in.	6 in.	4 in.	3 in.	2 in.
Ash, at House of Correction,	111 ft. north from north line Union; 8 ft. west from east line Ash; 32.9 feet south from S. line doorway,					1
Bedford, at Morse Twist Drill,	79 feet west from west line Fourth; 9.6 feet north from south line Bedford; 18.8 feet east from west line shop,		1			
Cedar Grove, at school-house,	360.5 ft. east from east line Acushnet ave.; 6.8 ft. south from north line Cedar Grove; 25 feet west from east line building,				1	
Central wharf,	150 feet east of Front,			1		
Cherry, at A. H. Howland's,	36.1 ft. east from east line Seventh; 5.2 feet north from south line Cherry,				1	1
City wharf,	285.5 feet east of Water,				1	
Court, at Bristol Co. Court House,	165.8 feet west from west line County; 6.7 ft. north from south line Court; 11.3 feet east from west line building,				1	
Court, at House of Correction,	13.5 ft. north from south line Court; 11.5 feet west from east line Cedar,			1		
Cove, at Viall's slaughter-house,	759 feet east from east line Water; 0.7 ft. north from south line Cove; 11.8 feet east from west line lane,				1	
Dartmouth, at Geo. E. Briggs',	63.4 ft. north from north line Fair; 7.8 ft. west from east line Dartmouth; 4.4 feet north from south line shop,					1
Dartmouth, at Rural cemetery,	8 feet south from south line body house; 5.3 feet east from west line Dartmouth,			1		
Eighth, at Unitarian church,	122.9 feet north from north line Union; 6.9 feet east from west line Eighth; 8.5 feet south from north line body church,				1	
Elm, at North Congregational ch.,	11.7 feet west from west line Purchase; 7.7 feet north from south line Elm; 6 feet east from east line body church,				1	
Emerson, at Cordage Co.,	100 ft. north from north line Court; 12 feet west from east line Emerson; 1.6 ft. south from south line building,		1			
Fifth, at school-house,	93.3 ft. south from south line Russell; 7 feet east from west line Fifth; 22.8 feet north from south line building,					1

LIST OF PRIVATE STOP-GATES — *Continued.*

STREETS.	LOCATION.	SIZE.				
		8 in.	6 in.	4 in.	3 in.	2 in.
Fifth, at St. John's church,	63.4 feet north from north line Wing; 7 feet east from west line Fifth; 10 feet south from north line church,					1
Fourth, at Morse Twist Drill & Machine Co.,	105.5 ft. south from south line Bedford; 10.5 feet east from west line Fourth,			1		
Front, at Copper Works,	399 feet south from south line Logan; 20.8 feet south from south line office; 9 feet west from east line fence; 5.4 ft. west from east line Front,			1		
Front, at Wamsutta Mills,	394.9 feet north from north line Wamsutta; 8.7 feet north from south line mill; 9.5 ft. east from west line Front,	1				
Front, at Wamsutta Mills, at private hydrant,	336 ft. north from north line Wamsutta; 13.6 feet north from north line shed; 8.5 feet east from west line Front,			1		
Front, at W. F. Potter & Co's,	29.6 ft. north from north line Union; 5.3 feet west from east line Front; 11 ft. south from N. line building,			1		
Front, at W. D. Swan's,	82.6 ft. south from south line Commercial; 8.7 feet east from west line Front; 6.2 feet north from south line building,				1	
Front, at Electric Lighting Co.,	62.6 feet north from north line School; 10.6 feet east from west line Front; 32.8 feet north from south line building,					1
Front, at Merrill's wharf,	450.2 feet east from east line Front,					1
Front, at Acushnet Mills,	14 feet north from south line Delano; 9.3 feet west from east line Front; 16 feet south from south line Mill,		1			
Geo. Howland's wharf,	153 feet east from east line Water,				1	
Hastings' wharf,	West of meter,					1
Hazard's wharf,	East of Front,					1
Hicks, at Nazaire Boivin's,	54.6 ft. west from west line Front; 6.8 feet south from north line Hicks; 15.6 feet west from west line body house,					1
High, at City Stable,	152.8 feet west from west line Purchase; 8 feet north from south line High; 26 feet east from east line office,			1		

LIST OF PRIVATE STOP-GATES — *Continued.*

STREETS.	LOCATION.	SIZE.				
		8 in.	6 in.	4 in.	3 in.	2 in.
Hillman, at Flour Mill,	86 feet west from west line Water; 20.5 feet north from south line Hillman,			1		
Hillman at N. B. Manuf. Co.,	153.5 feet east from east line Second; 8.7 feet north from south line Hillman,		1			
Hillman, at N. B. Manuf. Co.,	South side, at meter,		3			
Kempton,	39.6 feet west from west line Purchase; 7 feet south from north line house; 5.3 ft. east from west line house,				1	
Kempton, at Cordage Co.,	95.3 feet east from east line Emerson; 10.4 feet north from south line Kempton; 5.2 feet west from west line long building,		1			
Kilburn, at Grinnell Mills,	342 feet east from east line Rock; 10 feet north from south line Kilburn; 30 feet west from west line of escape,		1			
Kilburn, at Grinnell Mills,	4 feet east from east line Rock; 10 feet north from south line Kilburn,		1			
Kilburn, at Grinnell Mills,	101 feet west from west line Rock; 10 feet north from south line Kilburn; 8.3 feet east from east line doorway,			1		
Kilburn, at Grinnell Mills,	146.7 feet east from east line Front; 9.4 ft. north from south line Kilburn; 54 feet east from east line office building,			1		
Logan, at O. C. locomotive house,	229 feet east from east line Purchase; 11.6 feet north from south line Logan; 16.4 feet west from west line Bowditch,			1		
Madison, at school-house,	48.9 feet east from east line Fourth; 7.3 feet north from south line Madison; 15.7 ft. west from west line body house,					1
Maxfield, at school-house,	15.3 feet east from east line Cedar; 6.2 feet south from north line Maxfield; 5.6 feet east from west line house,					1
Mechanics lane, at Baptist church,	134.5 ft. west from west line Sixth; 1.7 feet north from south line lane; 15 feet east from west line church,					1
Merrill's wharf, east of Front,	204 feet east from east line Front,				1	

LIST OF PRIVATE STOP-GATES — *Continued.*

STREETS.	LOCATION.	SIZE.				
		8 in.	6 in.	4 in.	3 in.	2 in.
Middle, at Electric Lighting Co.,	85.3 feet east from east line Purchase; 6.2 feet south from north line Middle; 29.4 feet west from east line building,					1
Middle, at school-house,	92.1 feet west from west line Summer; 6.7 feet north from south line Middle; 25.8 feet west from east line building,					1
Mill, at High school,	91 ft. east from east line Chestnut; 7.2 ft. south from north line Mill; 31.9 ft. east from west line building,				1	
North, at N. B. Manuf. Co.,	North side, at meter,		3			
North, at N. B. Manuf. Co.,	118.4 ft. west from west line Water; 8.2 feet south from north line North,		1			
Park place, at S. P. Richmond's,	158.2 ft. west from west line Sixth; 5 ft. north from south line place; 7.9 ft. west from west line barn,				1	
Park place, at Opera House,	94 feet west from west line Sixth; 4.6 feet north from south line place; 26 feet east from west line building,				1	
Pearl, at O. C. R. R. depot,	80.4 feet west from west line Acushnet ave.; 21 ft. north from south line Pearl,			1		
Phil. & Reading Coal & Iron Co.,	53.6 feet east from west line Front; 13.6 feet north from south line Walnut,				1	
Pleasant, at Maxfield St. school-house,	69.6 ft. north from north line Maxfield; 6.7 feet east from west line Pleasant; 25.6 feet north from south line building,					1
Pleasant, at W. M. Bates',	95.7 ft. south from south line William; 9.5 feet west from east line Pleasant; 5.3 feet south from north line building,				1	
Potomska, at Potomska Mills,	14.5 feet east from west line Prospect; 11.3 feet north from south line Potomska,		1			
Prospect, at Pair-point Manuf. Co.,	42.6 ft. south from south line Howland; 8.6 feet west from east line Prospect,		1			
Prospect, at Pair-point Manuf. Co.,	43.8 ft. south from south line Howland; 8.6 feet west from east line Prospect,				1	
Prospect, at Pair-point Manuf. Co.,	East of meter,				1	

LIST OF PRIVATE STOP-GATES — *Continued.*

STREETS.	LOCATION.	SIZE.				
		8 in.	6 in.	4 in.	3 in.	2 in.
Prospect, at Mt. Washington Glass Works,	138.4 ft. south from south line Howland; 11.5 ft. west from east line Prospect; on north line brick building,					1
Purchase, at Oneko Mill,	East side at meter,		3			
Purchase, at Oneko Mill,	On east line Purchase; 300 feet south from south line Purchase,		1			
Purchase, at Wamsutta Mills storehouse,	41 ft. north from north line Austin; 19.5 feet west from east line Purchase,			1		
Purchase, at Benj. Dawson's,	53.4 ft. south from south line Hazard; 7.1 feet east from west line Purchase; 13.8 feet north from south line building,					1
Purchase, at Liberty Hall,	30.2 ft. north from north line William; 9 feet east from west line Purchase,				1	
Pumping Station,	Fire pipe into building,			1		
Pumping Station,	Pipe to fire hydrant,	1				
Rodman, at Mechanics Bank,	25.5 feet east from east line Water; 11.2 feet north from south line Rodman,			1		
Rotch's south wharf,	180.5 feet east from east line Front; 30.5 feet south from north line Rodman,				1	
Rotch's north wharf,	180.5 feet east from east line Front; 23.2 feet south from north line Rodman,				1	
School, at Trinitarian church,	91.6 ft. west from west line Fourth; 6.6 feet north from south line School; 3.1 ft. east from line jog,					1
School, at Grace church,	North side School, east of County,					1
Sears court, at C. W. Hurl's,	57 feet west from west line Purchase; 4.6 feet south from north line court; 21.3 feet east from west line building,					1
Taber's wharf,	149.5 feet east from east line Front; 16 feet south from south line brick building,				1	
Union, at Driscoll Church & Hall's,	36.2 feet east from east line First; 8.4 feet north from south line Union; 1.4 feet west from east line building,					1
Union, at D. J. Kane & Bro's.,	62.2 ft. east from east line Acushnet ave.; 9.8 feet north from south line Union; 28.8 feet east from west line building,					1

LIST OF PRIVATE STOP-GATES — *Continued.*

STREETS.	LOCATION.	SIZE.				
		8 in.	6 in.	4 in.	3 in.	2 in.
Union, at Geo. M. Eddy & Co's,	45.4 feet west from west line Purchase; 9.6 feet south from north line Union; 5.8 feet west from east line building,				1	
Union, at William J. Rotch's,	141.5 feet west from west line County; 11 feet north from south line Union,			1		
Union, at House of Correction,	17.4 feet west from east line Arch; 7 feet north from north line building,				1	
Wamsutta, at Wamsutta Mills,	452.5 ft. east from east line Acushnet ave.; 14 ft. south from north line Wamsutta; 21 feet west from escape ladder Mill No. 2,		1			
Wamsutta, at Wamsutta Mills,	186.9 ft. west from west line Front; 58.7 feet east from west line Mill No. 3; 15 feet south from north line Wamsutta,		1			
Wamsutta, at Wamsutta Mills,	110.7 ft. west from west line Front; 14 feet south from north line Wamsutta; 5.4 feet east from east side basement doorway,		1			
Wamsutta, at Wamsutta Mills,	196.8 ft. west from west line Front; 58.8 feet east from west line Mill No. 3; 15 feet south from north line Wamsutta,		1			
Water, at G. S. Fales',	17 feet north from north line Elm; 6.2 feet east from west line Water,				1	
Water, at Gas Co's office,	3.2 feet south from north line Madison; 14 feet west from east line Water,			1		
Water, at Grinnell's foundry,	122 ft. south from south line Coffin; 6.2 ft. west from east line Water; 6.6 ft. south from north line office,					1
Water, at Potomska Mills,	245.5 feet north from north line Rivet; 12.5 feet west from east line Water; 2 feet north from south line Mill office,		1			
William, at Wood, Brightman & Co's,	36.3 ft. west from west line Water; 6.5 feet north from south line William; 15.6 feet east from west line house.					1
William, at Waite's building,	76 ft. west from west line Acushnet ave.; 5.6 feet south from north line William; 3 feet west from east line building,				1	

LIST OF PRIVATE STOP-GATES — *Concluded.*

STREETS.	LOCATION.	SIZE.				
		8 in.	6 in.	4 in.	3 in.	2 in.
William, at Haskell & Tripp's,	57.7 feet east from east line Purchase; 8.5 feet north from south line William; 15.8 feet west from east line building,				1	
William, at C. S. & B. Cummings',	118.2 feet east from east line Pleasant; 7.8 ft. north from south line William; 16 feet east from west line building,					1
William, at Wordell Bros'.	82.7 feet east from east line Pleasant; 8 feet north from south line William; 8.4 feet west from east line building,					1
	Totals,	4	31	19	26	31

TABLE P.

COMPLETE LIST OF WASTE GATES.

STREETS.	LOCATION.	SIZE.		
		4 in.	1½ in.	1 in.
Acushnet avenue, at Spring,	16.8 feet north from south line Spring; 16 ft. east from west line Acushnet ave.,	1		
Acushnet avenue, at Cannon,	9 ft. north from north line Russell; 15.6 ft. east from west line Acushnet ave.,	1		
Arnold, at Tripp's brook,	138.5 feet west from west line Emerson; 17.6 feet north from south line Arnold,	1		
Ash, at Middle,	8.8 feet north from south line Middle; 20 feet east from west line Ash,	1		
Austin, west of Cedar,	224 feet west from west line Cedar; 17 feet north from south line Austin,	1		
Bedford, at Borden,	13.5 ft. east from west line Borden; 10.5 feet north from south line Bedford,	1		
Blackmer, at Water,	17 feet west from east line Water; 5.6 ft. north from south line Blackmer,	1		
Campbell, west of Emerson,	196 feet west from west line Emerson; 16.2 ft. north from south line Campbell,		1	
Cedar, at Hillman,	8 feet south from north line Hillman; 11.5 feet east from west line Cedar,	1		
Cottage, north of Allen,	19 feet north from north line Allen; 17 feet east from west line Cottage,	1		
County, at Smith,	1.4 ft. south from north line Smith; 19.5 feet east from west line County,	1		
County ave., east of County,	202.4 ft. east from east line County; 37.2 ft. south from north line County ave.,		1	
Court, at Tripp's brook,	582.2 feet west from west line Emerson; 13.5 ft. east from centre of catch basin; 11 feet north from south line Court,	1		
Durfee, at Wilson,	15.4 feet east from west line Wilson; 11.1 feet north from south line Durfee,	1		
Elm, at Pleasant,	17 feet north from south line Elm; 18.5 feet west from east line Pleasant,	1		
Gifford, east of Water,	249 feet east from east line Water; 28.5 feet south from north line Gifford,		1	
Grinnell, at Fifth,	20 feet north from south line Grinnell; 18.5 feet east from west line Fifth,	1		
Hillman, east of Water,	11.9 feet north from south line Hillman; 21.5 feet east from west line Water,	1		
Hillman, at Purchase,	3 feet west from west line Purchase; 18.2 feet north from south line Hillman,		1	
Howland, east of Prospect,	18.6 feet east from west line Prospect; 12 feet north from south line Howland,	1		
Kempton, at Tripp's brook,	99 feet east from east line Newton; 9.4 feet north from south line Kempton,	1		
Linden, at State,	14.4 feet west from west line State; 23 feet north from south line Linden,	1		

LIST OF WASTE GATES—*Continued.*

STREETS.	LOCATION.	SIZE.		
		4 in.	1½ in.	1 in.
Margin, near Cove road,	8 feet north from north line Cove road; 6.4 feet east from west line Margin,			1
Maxfield, at Pleasant,	22.6 feet west from east line Pleasant; 16.3 ft. north from south line Maxfield,	1		
Maxfield, at Pleasant,	3.4 ft. east from west line Pleasant; 17.6 feet north from south line Maxfield,	1		
Merrimac, at State,	18.2 feet west from east line State; 19.4 feet north from south line Merrimac,	1		
Middle, at Purchase,	3.5 feet west from west line Purchase; 16.8 feet north from south line Middle,	1		
Middle, at Cedar,	4.5 feet east from east line Cedar; 16.7 feet north from south line Middle,	1		
Mill, at Pleasant,	1.7 feet west from east line Pleasant; 18.7 feet north from south line Mill,	1		
North, at Cedar,	4.7 feet east from east line Cedar; 16 ft. north from south line North,	1		
North, at Pleasant,	0.4 feet east from west line Pleasant; 18.2 feet north from south line North,	1		
North, at Water,	26 feet west from east line Water; 24.2 feet south from north line North,	1		
Orchard, south of Washington,	176.5 ft. south from south line Washington; 16 ft. east from west line Orchard,			1
Peckham, at Mt. Pleasant,	1.4 ft. west from east line Mt. Pleasant; 19.5 ft. south from north line Peckham,	1		
Penniman, at State,	17 feet east from west line State; 19 feet north from south line Penniman,	1		
Pearl, at Pleasant,	17.3 feet east from west line Pleasant; 8.6 feet south from south line Pearl,	1		
Pearl, at Pleasant,	18.4 feet east from west line Pleasant; 10.3 feet north from south line Pearl,	1		
Purchase, at Hillman,	3.2 feet north from south line Hillman; 11.5 feet east from west line Purchase,	1		
Purchase at Willis,	1.5 feet south from south line Willis; 17.7 feet east from west line Purchase,	1		
Purchase, at Clark,	9.2 feet north from south line Clark; 30 feet east from west line Purchase,	1		
Purchase, at Coggeshall,	19.7 ft. north from south line Coggeshall; 35 feet east from west line Purchase,	1		
Purchase, at Oneko Mill,	281 feet south from south line Purchase; 21 feet east from west line Purchase,	1		
Rockland, at Crapo,	12.9 feet east from west line Crapo; 11.4 feet north from south line Rockland,	1		
Second, at Potomska,	17.5 ft. north from south line Potomska; 11.2 feet east from west line Second,	1		
Smith st. court, end of pipe,	4 feet east from west line court; 148.8 ft. north from north line Smith,			1
Spruce, at Hillman,	18.9 feet north from south line Hillman; 11.7 feet east from west line Spruce,	1		

LIST OF WASTE GATES—*Concluded.*

STREETS.	LOCATION.	SIZE.		
		4 in.	1½ in.	1 in.
State, at Linden,	1 foot north from south line Linden; 15.5 feet east from west line State,	1		
Summer, at Willis,	15 feet south from north line Willis; 17 feet east from west line Summer,	1		
Union, at Fourth,	1 foot west from west line Fourth; 19.7 feet north from south line Union,		1	
Water, at Coffin,	14.4 feet north from south line Coffin; 9.4 feet west from east line Water,	1		
Water, north of Grinnell,	248 feet north from north line Grinnell; 16.2 feet east from west line Water,	1		
William, at Purchase,	1.2 feet east from west line Purchase; 18 feet north from south line William,		1	
Willis, at Purchase,	5.5 feet west from west line Purchase; 15.2 feet north from south line Willis,		1	
Willis, at Chestnut,	1.6 feet west from west line Chestnut; 17 feet north from south line Willis,	1		
Totals,		38	10	6

TABLE Q.

MOTORS.

LOCATION.	USED FOR.	Size of Supply Pipe.
Acushnet Cooperative Association, 213 Acushnet avenue,	Grinding coffee.	1 inch.
Baptist church, William street,	Blowing organ.	2½ "
Nazaire Boivin, 7 Hicks street,	Circular saw.	2½ "
Geo. E. Briggs, Dartmouth street,	Lathe.	1½ "
Central Union Store, 5 No. Sixth st.,	Grinding coffee.	1½ "
C. S. & B. Cummings, 102 William st.,	Grinding coffee.	2 "
Benjamin Dawson, Purchase and Hazard streets,	Elevator.	1½ "
A. Dematty, Purchase & Kempton sts.,	Ice cream freezing.	1 "
Driscoll, Church & Hall, Union and First streets,	Elevator.	3 "
Geo. M. Eddy & Co., Union street,	Elevator.	3 "
Giles S. Fales, Water and Elm streets,	Machinists.	3 "
Fred. S. Gifford, 186 Union street,	Grinding coffee.	1 "
Haskell & Tripp, William street,	Elevator.	3 "
N. P. Hayes, William street,	Elevator.	1 "
James A. Jay, 13 South Second st.,	Clipping machine,	1 "
D. J. Kane & Bro., Union street,	Book bindery.	2 "
Dr. E. V. McLeod, Purchase and William streets,	Dentist.	$\frac{5}{8}$ "
F. B. Nesbett, 160 Purchase street,	Dentist.	$\frac{5}{8}$ "
North Congregational church, Purchase and Elm streets,	Blowing organ.	3 "
W. F. Potter & Co., Front & Union sts.,	Grinding coffee.	1 "
St. John Baptist church, Fifth street,	Blowing organ.	2 "
W. D. Swan, Front street,	Wood turning.	3 "
Taber, Read & Gardner, Acushnet ave.,	Sewing machine lathe.	1 "
George M. Thatcher, Rockland street,	Lathe.	1 "
Trinitarian church, Fourth street,	Blowing organ.	2 "
Unitarian church, Union & Eighth sts.,	Blowing organ.	2 "
Dr. E. F. Ward, Union and Sixth sts.,	Sewing machine.	$\frac{5}{8}$ "
Wordell Bros., William street,	Sausage cutting.	2 "

Number of motors in use, Dec. 1st, 1887,....28.

TABLE R.

METERS.

LOCATION.	PATTERN.	SIZE.
Acushnet Cooperative Association, 213 Acushnet ave.,	Ball & Fitts rotary.	1 inch.
Acushnet Mill,	Ball & Fitts rotary.	6 "
Henry H. Allen, Sixth street,	Crown.	1 "
John S. Allen, State street,	Ball & Fitts rotary.	6 "
John S. Allen, State street,	Ball & Fitts rotary.	6 "
Mrs. John Allen, 243 Purchase street,	Crown.	6 "
Timothy C. Allen, 188 Grinnell street,	Crown.	6 "
Mrs. Capt. Michael A. Baker, 22 Parker st.,	Ball & Fitts rotary.	6 "
Mrs. A. M. Blackler, 111 Summer street,	Ball & Fitts rotary.	6 "
Nazaire Boivin, 7 Hicks street,	Ball & Fitts rotary.	2 1/2 "
Nathan Brightman, 107 Elm street,	Crown.	3 1/4 "
Daniel Briggs, 43 Bedford street,	Crown.	6 "
George E. Briggs, Dartmouth street,	Ball & Fitts rotary.	1 1/2 "
Albion T. Brownell, Madison & Fifth sts.,	Crown.	6 "
S. C. Caldwell, Pleasant and Hazard sts.,	Ball & Fitts rotary.	6 "
S. C. Caldwell, Pleasant and Hazard sts.,	Crown.	6 "
Central wharf,	Ball & Fitts.	2 "
Cemetery, Rural, Dartmouth street,	Crown.	2 "
Nathan Chase, County street,	Crown.	3 1/4 "
City wharf,	Ball & Fitts.	2 "
Commercial wharf.	Ball & Fitts rotary.	3 "
Pardon Cornell, Sixth and Grinnell sts.,	Crown.	1 "
Abner T. Davis, 34 Fifth street,	Ball & Fitts rotary.	6 "
Benj. Dawson, Purchase and Hazard sts.,	Crown.	1 1/2 "
A. Dematty, Purchase and Kempton sts.,	Empire.	1 "
James Doull, 323 Purchase street,	Crown.	6 "
James Doull, 82 Chestnut street,	Crown.	6 "
James Doull, Thompson & Warwick sts.,	Crown.	6 "
James Doull, Hicks street,	Crown.	6 "
James Dowden, Mill street,	Ball & Fitts rotary.	3 1/4 "
David Duff & Son, Central wharf,	Crown.	1 "
Geo. M. Eddy & Co., Union street,	Ball & Fitts rotary.	3 "
Electric Light Co., Middle street,	Ball & Fitts rotary.	2 "
Electric Light Co., School street,	Ball & Fitts rotary.	2 "
Giles G. Fales, Water and Elm streets,	Ball & Fitts rotary.	2 "
L. F. Fish, 59 Sycamore street,	Crown.	3 1/4 "
Simeon G. Folsom, Middle & Purchase sts.,	Ball & Fitts rotary.	1 "
T. J. Gifford, 34 Hillman street,	Crown.	3 1/4 "
T. J. Gifford, 32 Hillman street,	Crown.	6 "
Fred. S. Gifford, 186 Union street,	Crown.	1 "
Grinnell Mill, Kilburn street,	Ball & Fitts rotary.	4 "
James Groat, Purchase street,	Ball & Fitts rotary.	6 "
S. Hall, 161 Pleasant street,	Crown.	6 "
Henry F. Hammond, Mill street,	Crown.	3 1/4 "
Haskell & Tripp, William street,	Ball & Fitts rotary.	2 "
C. M. Haskell, Acushnet avenue,	Ball & Fitts rotary.	6 "
James C. Hathaway, Florence and Kemp- ton streets,	Crown.	3 1/4 "

METERS — *Continued.*

LOCATION.	PATTERN.	SIZE.
Hazard wharf,	Ball & Fitts rotary.	2 inch.
N. P. Hayes, William street,	Crown.	1 "
Benj. Howland's est., 97 Grinnell street,	Crown.	$\frac{1}{2}$ "
Benj. Howland's est., 134 Acushnet ave.,	Crown.	$\frac{1}{2}$ "
Geo. Howland's wharf,	Ball & Fitts rotary.	2 "
Paul Howland, 91 State street,	Ball & Fitts rotary.	$\frac{1}{2}$ "
James A. Jay, Second street,	Crown.	1 "
D. J. Kane & Bro., Union street,	Crown.	$\frac{1}{2}$ "
Tillinghast Kirby, 350 Cottage street,	Crown.	$\frac{1}{2}$ "
C. W. Knight, 88 Purchase street,	Crown.	$\frac{1}{2}$ "
James M. Lawton, 80 State street,	Crown.	$\frac{1}{2}$ "
E. R. Lewis, 321 Union street,	Crown.	1 "
Joseph Longfield, Emerson street,	Crown.	$\frac{1}{2}$ "
Clarence Lowell, 40 Fifth street,	Crown.	$\frac{1}{2}$ "
James Marquand, 35 Maxfield street,	Crown.	$\frac{1}{2}$ "
C. E. E. Mosher, High street,	Crown.	$\frac{1}{2}$ "
Merrill's wharf,	Ball & Fitts.	2 "
Mt. Washington Glass Works, Prospect st.	Ball & Fitts rotary.	2 "
George Needham & Co., Union street,	Ball & Fitts rotary.	$\frac{3}{4}$ "
New Bedford Manufacturing Co.,	Ball & Fitts rotary.	6 "
New Bedford Manuf. Co., North street,	Ball & Fitts rotary.	6 "
New Bedford Yacht Club, Pope's Island,	Ball & Fitts.	1 "
Nichols & Damon, Purchase street,	Ball & Fitts rotary.	$\frac{1}{2}$ "
Leander P. Nichols, 59 Foster street,	Ball & Fitts rotary.	$\frac{1}{2}$ "
Oneko Mills, Purchase street,	Ball & Fitts rotary.	6 "
Pairpoint Manuf. Co., Prospect street,	Ball & Fitts rotary.	3 "
E. C. Palmer, Florence street,	Crown.	$\frac{1}{2}$ "
J. W. Perry, Thomas street,	Crown.	$\frac{1}{2}$ "
Henry Perry, County street,	Crown.	$\frac{1}{2}$ "
P. & R. Coal & Iron Co. wharf,	Crown.	3 "
Thomas Pelan, 278 Kempton street,	Crown.	$\frac{1}{2}$ "
George Pickens, Summer street,	Ball & Fitts rotary.	$\frac{1}{2}$ "
Frank Pierce, 87 Mill street,	Crown.	$\frac{1}{2}$ "
Joseph Poisson, 56 Mill street,	Crown.	$\frac{1}{2}$ "
William F. Potter & Co., Front street,	Crown.	1 "
Potomska Mills, Potomska street,	Ball & Fitts rotary.	6 "
Ezra Quimby, 135 Summer street,	Crown.	$\frac{3}{4}$ "
Robeson Building, William street,	Crown.	$\frac{1}{2}$ "
Robeson Building, William street,	Crown.	$\frac{1}{2}$ "
Rotch's wharf,	Gem.	3 "
Salisbury & Viall, Cove street,	Ball & Fitts rotary.	$\frac{1}{2}$ "
A. G. Stanton, Grinnell street,	Crown.	$\frac{1}{2}$ "
Levi H. Sturtevant, 36 North street,	Ball & Fitts rotary.	1 "
W. D. Swan, Front street,	Ball & Fitts rotary.	2 "
Swan & Finch, Hastings wharf,	Crown.	2 "
Taber, Read & Gardner, Acushnet ave.,	Crown.	1 "
Taber's wharf,	Ball & Fitts.	2 "
George M. Thatcher, Rockland street,	Crown.	1 "
Alfred Thornton, Union street,	Crown.	$\frac{1}{2}$ "
Vineyard Steamboat Co. wharf,	Crown.	3 "
William Walker, Maxfield & Summer sts.,	Crown.	$\frac{1}{2}$ "

METERS — *Concluded.*

LOCATION.	PATTERN.	SIZE.
William Walker, County & Campbell sts.,	Crown.	$\frac{3}{4}$ inch.
Wamsutta Mills, Acushnet avenue,	Ball & Fitts rotary.	8 “
Dr. Helen W. Webster, Purchase and Mill streets,	Equitable.	1 “
Wordell Bros., William street,	Crown.	3 “

Number of meters in use, Dec. 1st, 1887,....102.

TABLE S.

WATERING-CART HYDRANTS.

Allen street, north side, 154 feet east of Page.
Bedford street, south side, 86 feet west of Fourth.
Campbell street, south side, 87 feet west of Purchase.
Cedar Grove street, south side, 18 feet west of Acushnet avenue.
Coffin avenue, south side, 7 feet east of Bowditch.
Court street, north side, 15 feet east of Ash.
Dartmouth street, east side, 13 feet south of Oak.
First street, west side, 118 feet south of School.
First street, west side, 28 feet south of Grinnell.
Grinnell street, south side, 31 feet east of County.
Hawthorn street, south side, 17 feet east of Cottage.
Hawthorn street, head of Tremont.
Hazard street, south side, 21 feet west of Purchase.
Kempton street, south side, 72 feet west of County.
Kempton street, south side, 102 feet east of Newton.
Kempton street, south side, 16 feet east of Rockdale avenue.
Linden street, south side, 30 feet west of Purchase.
Locust street, south side, 25 feet west of County.
Madison street, south side, 17 feet east of Fourth.
Madison street, south side, 39 feet west of County.
Mill street, south side, 9 feet west of Purchase.
Middle Point road, south side, 58 feet east of French avenue.
Mt. Vernon street, south side, 14 feet west of Mt. Pleasant.
Pleasant street, east side, 9 feet north of Mechanics lane.
Reynolds street, west side, 8 feet north of Linden.
Robeson street, south side. 38 feet west of Cedar.
Smith street, south side, 53 feet east of Park.
Summer street, west side, 4 feet north of Hillman.
Sycamore street, south side, 77 feet west of County.
Thompson street, south side, 72 feet west of Warwick.
Union street, south side, 65 feet west of County.
Water street, west side, 6 feet south of Blackmer.
William street, south side, 27 feet east of Second.
Willis street, south side, 7½ feet east of Acushnet avenue.

Number now in use, 34.

TABLE T.

LOCATION OF HYDRANTS.

	Pressure in lbs.
Acushnet avenue, southwest corner of Coggeshall. Post.	56
Acushnet avenue, southwest corner of Cedar Grove. Post.	54
Acushnet avenue, west side, south of Logan 335 feet. Post.	60
Acushnet avenue, west side, north of Wamsutta 514 feet. Double.	62
Acushnet avenue, west side, north of Wamsutta 372 feet. Post.	60
Acushnet avenue, west side, south of Wamsutta 255 feet.	63
Acushnet avenue, west side, at end of Wall street. Post.	62
Acushnet avenue, southeast corner of Pope.	64
Acushnet avenue, northwest corner of Willis.	61
Acushnet avenue, west side, south of Campbell 179 feet.	59
Acushnet avenue, northwest corner of Maxfield.	57
Acushnet avenue, northwest corner of Kempton.	47
Acushnet avenue, northeast corner of Elm.	47
Acushnet avenue, northwest corner of School. Post.	51
Acushnet avenue, northwest corner of Madison.	55
Acushnet avenue, northwest corner of Russell.	58
Acushnet avenue, northwest corner of Bedford.	59
Acushnet avenue, west side, opposite Howland.	61
Acushnet avenue, northwest corner of Potomska. Post.	50
Acushnet avenue, west side, south of Potomska 236 feet. Post.	59
Acushnet avenue, southwest corner of Blackmer.	60
Allen street, southeast corner of Bonney.	46
Allen street, northwest corner of Ward.	41
Allen street, north side, east of Page 159 feet.	38
Arch street, southwest corner of Union.	24
Arnold street, south side, west of Orchard 96 feet. Post.	22
Arnold street, southwest corner of Chancery.	33
Arnold street, southeast corner of Atlantic.	32
Ash street, northwest corner of Middle.	27
Ash street, southwest corner of Morgan. Double.	25
Ash street, northwest corner of Arnold.	32
Ash street, northwest corner of Maple.	34
Ash street, northwest corner of Bedford. Post.	37
Ashland street, west side, head of Linden.	11

Atlantic street, west side, 186 feet south of Arnold. Post.	29
Atlantic street, west side, 390 feet north of Arnold. Post.	30
Austin street, southeast corner of State. Post.	42
Austin street, southwest corner of Purchase. Post.	56
Austin street, southeast corner of Cedar. Post.	19
Austin street, south side, on west line of Wilson. Post.	20
Austin street, southwest corner of Ashland. Post.	15
Austin street, southeast corner of Shawmut avenue. Post.	14
Bay street, southeast corner of Ward. Post.	39
Bedford street, southwest corner of Fifth.	55
Bedford street, southeast corner of County.	47
Bedford street, southeast corner of Orchard.	37
Beach street, northwest corner of Kempton. Post.	18
Blackmer street, south side, east of Front 575 feet. Post.	63
Bonney street, northwest corner of Grinnell.	51
Bonney street, northwest corner of Rockland. Post.	54
Borden street, southwest corner of Bay. Post.	42
Bowditch street, southwest corner of Weld. Post.	56
Bowditch street, west side, 313 feet south of Cedar Grove. Post.	55
Bowditch street, west side, north of Cedar Grove 73 feet. Post.	53
Bridge avenue, north side, 44 feet west of draw.	62
Bridge avenue, south side, 11 feet west of draw.	62
Campbell street, south side, east of County 163 feet.	28
Campbell street, southwest corner of Cypress. Post.	19
Campbell street, south side, east of Emerson 205 feet.	18
Cannon street, south side, east of Second 164 feet.	64
Cedar street, northwest corner of Elm. Double.	25
Cedar street, southwest corner of Kempton.	26
Cedar street, west side, north of Mill 75 feet.	23
Cedar street, southwest corner of Hillman.	23
Cedar street, northwest corner of Sycamore.	21
Cedar street, southwest corner of Campbell.	18
Cedar street, southwest corner of Parker.	19
Cedar Grove street, southeast corner of Front. Post.	60
Cedar Grove street, southeast corner of Howard. Post.	58
Cedar Grove street, south side, 383 feet west of Bowditch. Post.	57
Cedar Grove street, northwest corner of Purchase. Post.	56

Centre street, south side, east of Water 85 feet.	56
Chancery street, west side, north of Arnold 406 feet. Post. . . .	33
Chancery street, southwest corner of Elm. Post.	28
Chancery street, southwest corner of Hillman.	29
Chancery street, west side, south of Parker, 176 feet. Post. . . .	24
Chancery street, west side, 263 feet north of Parker. Post. . . .	16
Cherry street, southeast corner of Seventh.	38
Chestnut street, southwest corner of North.	19
Chestnut street, west side, north of Campbell 96 feet.	22
Clark street, southwest corner of State.	47
Clinton street, south side, east of Orchard 125 feet.	26
Clinton street, south side, west of Ash 242½ feet. Post.	44
Coffin avenue, southwest corner of North Purchase. Post. . . .	40
Coffin avenue, south side, opposite Onoko lane. Post.	40
Coffin avenue, southeast corner of Bowditch. Post.	40
Coffin street, north side, east of Water 262 feet. Post.	62
Coggeshall street, south side, 72 feet east of Howard. Post. . . .	61
Coggeshall street, southwest corner of Purchase. Post.	53
Coggeshall street, southeast corner of County. Post.	43
Commercial street, north side, east of Front 82 feet. Post. . . .	62
Cottage street, southwest corner of Bay. Post.	43
Cottage street, northwest corner of Allen.	42
Cottage street, northwest corner of Bedford.	37
Cottage street, northwest corner of Hawthorn.	31
Cottage street, southwest corner of Arnold.	23
Cottage street, southwest corner of Union.	22
Cottage street, southwest corner of Kempton. Post.	22
Cottage street, northwest corner of Hillman.	20
Cottage street, northwest corner of Sycamore.	20
Cottage street, west side, 237 feet north of Locust. Post. . . .	20
County street, west side, 200 feet north of Coggeshall. Post. . . .	44
County street, west side, 234½ feet south of Clark. Post.	43
County street, west side, 115 feet south of Weld. Post.	42
County street, southwest corner of Austin. Post.	33
County street, northwest corner of Locust.	22
County street, northwest corner of Parker.	23
County street, southwest corner of Smith.	30

County street, southwest corner of Maxfield.	25
County street, southwest corner of North.	21
County street, southwest corner of Middle. Double.	22
County street, southwest corner of Morgan.	22
County street, northwest corner of Union.	24
County street, west side, head of School.	27
County street, northwest corner of Madison.	32
County street, southwest corner of Hawthorn.	36
County street, northwest corner of Allen.	49
County street, southwest corner of Grinnell.	60
County street, west side, head of South.	60
County street, northwest corner of Rockland.	61
County street, southwest corner of Thompson. Post.	58
County street, northwest corner of Rivet. Post.	57
County street, northwest corner of Winsor. Post.	57
County street, west side, 71 feet north of Division. Post.	54
County street, northwest corner of Cove road. Post.	62
Court street, southwest corner of Orchard.	22
Court street, south side, opposite Cedar.	23
Court street, northeast corner of Ash. Post.	20
Court street, south side, opposite Emerson.	26
Court street, south side, front of Tannery.	32
Court street, south side, head of Jenney. Post.	23
Court street, south side, east of Reed 300 feet. Post.	22
Cove street, south side, east of Water 487 feet.	62
Cove street, south side, west of Water 334½ feet. Post.	60
Cove street, southeast corner of County. Post.	72
Crapo street, west side, south of Washington 343 feet.	60
Crapo street, west side, south of Rockland 225 feet.	63
Crapo street, west side, 160 feet south of Thompson. Post.	58
Dartmouth street, east side, southwest of Orchard 110 feet.	47
Dartmouth street, east side, 125 feet south of Hickory. Post.	47
Dartmouth street, east side, 260 feet south of Rockland. Post.	45
Dartmouth street, east side, 99 feet south of Thompson. Post.	44
Delano street, southwest corner of Water. Post.	57
Delano street, southeast corner of Acushnet avenue. Post.	57
Division street, southeast corner of Second. Post.	61

Division street, south side, 527 feet west of County.	Post.	62
Division street, south side, 71½ feet east of Crapo.	Post.	63
Durfee street, southwest corner of Cedar.	Post.	15
Durfee street, southwest corner of Bullock avenue.	Post.	17
Durfee street, southwest corner of Shawmut avenue.	Post.	12
Elm street, southwest corner of Pleasant.	. . . . .	38
Elm street, southwest corner of Summer.	. . . . .	18
Emerson street, southwest corner of Willis.	. . . . .	19
Emerson street, southwest corner of Parker.	. . . . .	18
Fifth street, southwest corner of School.	Post.	45
Fifth street, west side, south of Madison 245 feet.	. . . . .	50
Fifth street, northwest corner of Wing.	Post.	59
Fifth street, northwest corner of Grinnell.	. . . . .	61
First street, southwest corner of Spring.	. . . . .	58
First street, west side, south of School 109 feet.	. . . . .	57
First street, west side, south of Howland 185 feet.	. . . . .	65
First street, west side, south of South 255 feet.	. . . . .	63
Florence street, west side, north of North 180 feet.	Post.	26
Florence street, northwest corner of Mill.	Post.	24
Florence street, west side, south of Kempton 126 feet.	Post.	23
Florence street, southwest corner of Morgan.	Post.	29
Forest street, south side, west of County 90 feet.	. . . . .	53
Foster street, southwest corner of Maxfield.	. . . . .	37
Foster street, northwest corner of High.	. . . . .	33
Fourth street, west side, north of School 106 feet.	. . . . .	46
Fourth street, west side, south of Madison 210 feet.	. . . . .	54
Fourth street, east side, opposite Washington.	Post.	57
Fourth street, northwest corner of Rockland.	. . . . .	62
Fourth street, west side, south of Potomska 61 feet.	Post.	58
Franklin street, southwest corner of Pleasant.	. . . . .	43
Franklin street, southwest corner of State.	Post.	38
French avenue, west side, south of Cove road 14 feet.	. . . . .	60
Front street, west side, south of Washburn 319 feet.	. . . . .	62
Front street, west side, south of Logan 383 feet.	Post.	63
Front street, southeast corner of Wamsutta.	Post.	65
Front street, southwest corner of Hazard's lane.	. . . . .	61
Front street, southwest corner of Centre.	. . . . .	61

Front street, west side, south of Commercial 86 feet.	63
Front street, northwest corner of lane head of Merrill's wharf. . .	65
Front street, west side, south of Howland 268 feet. Post.	61
Front street, west side, south of South 330 feet. Post.	62
Front street, west side, north of Delano 191 feet. Post.	62
Grape street, south side, west of Lewis 131 feet. Post.	36
Grape street, south side, west of Lewis 517½ feet. Post.	34
Griffin street, southwest corner of Second.	62
Grinnell street, south side, west of Acushnet avenue 76 feet. . . .	60
Grinnell street, south side, east of Crapo 103 feet.	58
Grinnell street, southwest corner of Orchard. Post.	50
Grove street, southwest corner of Anthony.	32
Harrison street, southwest corner of Hickory. Post.	48
Hawthorn street, southeast corner of Page.	28
Hawthorn street, south side, east of Tremont 147 feet. Post. . . .	28
Hawthorn street, southwest corner of Brigham. Post.	26
Hawthorn street, south side, 301 feet west of Brigham. Post. . . .	24
Hazard street, south side, west of State 140 feet.	36
Hazard street, southwest corner of Pleasant.	46
Hicks street, south side, east of Acushnet avenue 276 feet. Post. .	56
High street, south side, east of Acushnet avenue 43 feet.	48
High street, south side, east of County 177 feet.	23
Hillman street, southwest corner of Second.	57
Hillman street, southeast corner of Hill.	32
Howland street, northeast corner of Second.	63
Irving court, north end of court.	25
Katharine street, south side, 160½ feet west of County. Post. . . .	61
Kempton street, southwest corner of Pleasant. Post.	36
Kempton street, south side, opposite Hill.	28
Kempton street, southwest corner of Summer.	19
Kempton street, southwest corner of Emerson.	26
Kempton street, southwest corner of Park.	28
Kempton street, southwest corner of Liberty.	29
Kempton street, southeast corner of Jenney.	26
Kempton street, south side, west of Hunter 50 feet. Post.	21
Kempton street, southwest corner of Francis. Post.	14
Kilburn street, north side, east of Front 244 feet. Post.	62

Kilburn street, north side, east of Front 581 feet. Post.	64
Liberty street, west side, south of Kempton 339 feet.	30
Lincoln street, west side, south of Union 171 feet.	23
Linden street, south side, west of State 13½ feet. Post.	43
Linden street, south side, west of County 169 feet. Post.	34
Linden street, south side, 67½ feet west of Reynolds. Post.	24
Linden street, south side, 6½ feet east of Ashland. Post.	14
Lindsey street, west side, 173 feet south of Kempton. Post.	27
Lindsey street, northwest corner of Morgan. Post.	24
Locust street, southwest corner of Chestnut. Post.	23
Locust street, southeast corner of Richmond. Post.	15
Logan street, southwest corner of North Front.	65
Logan street, south side, east of Acushnet avenue 400 feet.	62
Logan street, southwest corner of Acushnet avenue.	63
Lombard street, west side, 209½ feet south of Rockland. Post.	50
Madison street, southwest corner of First.	61
Maitland street, south side, west of Cedar 305 feet. Post.	14
Maxfield street, southwest corner of Second. Post.	58
Maxfield street, southwest corner of Pleasant. Post.	38
Maxfield street, southeast corner of Chestnut.	19
Maxfield street, southeast corner of Spruce.	21
Maxfield street, southwest corner of Ash. Post.	22
Mechanics lane, north side, east of Eighth street 206 feet.	30
Merrimac street, southwest corner of State. Post.	41
Middle street, southeast corner of Second.	54
Middle street, southeast corner of Sixth. Double.	36
Middle street, south side, east of Cedar 371 feet.	32
Middle street, southeast corner of Chancery.	29
Mill street, south side, west of Hill 191 feet.	25
Mill street, south side, west of Ash 45 feet.	25
Morgan street, southwest corner of Cottage.	33
Mosher street, south side, west of County 517 feet. Post.	59
Mt. Pleasant street, southeast corner of Distributing Reservoir.	4
Mt. Pleasant street, west side, north of Durfee 572 feet.	8
Mt. Pleasant street, northwest corner of Durfee. Post.	12
Mt. Vernon street, south side, 359 feet west of Mt. Pleasant.	6
Newton street, northwest corner of Elm. Post.	29

North street, southeast corner of Second.	Post.	54
North street, southeast corner of Acushnet avenue.	. . . . .	50
North street, northwest corner of Pleasant.	Post.	35
North street, southwest corner of Foster.	. . . . .	35
North street, southwest corner of Park.	Post.	29
North street, southeast corner of Newton.	Post.	32
North street, southwest corner of Hunter.	Post.	22
Oak street, southwest corner of Harrison.	Post.	45
Ocean street, west side, 184½ feet south of Arnold.	Post.	32
Old Point road, west side, east of French avenue	650 feet.	53
Orchard street, west side, head of Madison.	. . . . .	27
Park place, south side, west of Sixth	306 feet.	32
Park street, west side, south of Kempton	339 feet. Post.	27
Park street, northwest corner of Court.	Post.	28
Park street, west side, 165½ feet south of Union.	Post.	36
Palmer street, northwest corner of Elm.	Post.	20
Parker street, southwest corner of Summer.	. . . . .	27
Pearl street, southwest corner of Pleasant.	Post.	41
Penniman street, south side, west of State	220 feet.	41
Pine street, northwest corner of Cross.	. . . . .	65
Pleasant street, southwest corner of Market.	. . . . .	37
Pleasant street, west side, north of William	53 feet. Post.	38
Pleasant street, east side, foot of Sycamore.	Post.	39
Pleasant street, northwest corner of Pope.	. . . . .	42
Pleasant street, northwest corner of Austin.	. . . . .	47
Pleasant street, southwest corner of Linden.	. . . . .	48
Pleasant street, southwest corner of Weld.	Post.	48
Pope street, south side, opposite North Oak.	. . . . .	32
Potomska street,	{ A group of three post hydrants located about 300 feet east of Prospect and 91 feet north of south line of Potomska street.	62
Prospect street, west side, south of Howland	157 feet.	64
Prospect street, northwest corner of Grinnell.	. . . . .	62
Prospect street, west side, north of Potomska	324½ feet. Post.	62
Prospect street, northwest corner of Potomska.	Post.	63
Purchase street, northwest corner of Deane.	Post.	43
Purchase street, west side, opposite Oneko Mill.	Post.	48

Purchase street, east side, opposite Clark. Post.	58
Purchase street, west side, opposite Logan.	58
Purchase street, northwest corner of Austin.	55
Purchase street, northwest corner of Merrimac. Double.	51
Purchase street, northwest corner of Pope.	52
Purchase street, southwest corner of Pearl. Double.	52
Purchase street, southwest corner of Campbell.	47
Purchase street, west side, north of Maxfield 343 feet. Double. . . .	46
Purchase street, southwest corner of Hillman. Double.	43
Purchase street, southwest corner of Mill.	42
Purchase street, northwest corner of Middle.	40
Purchase street, northwest corner of Mechanics lane. Post. . . .	40
Purchase street, northwest corner of Union.	43
Reynolds street, southwest corner of Weld. Post.	26
Reynolds street, west side, 268 feet north of Weld. Post. . . .	29
Rivet street, southwest corner of Second.	62
Robeson street, southwest corner of County. Post.	26
Robeson street, southwest corner of Ashland. Post.	15
Robeson street, southeast corner of Cedar. Post.	21
Robeson street, south side, 365 feet west of Cedar. Post.	17
Rock street, southwest corner of Washburn. Post.	61
Rockland street, southeast corner of Hall. Post.	56
Rockland street, south side, 13 feet west of Orchard. Post. . . .	54
Rockland street, southwest corner of Lombard. Post.	50
Rounds street, northwest corner of Elm. Post.	22
Russell street, south side, east of Fifth 92 feet.	54
Second street, northwest corner of Mill.	55
Second street, west side, south of Elm 52 feet. Post.	52
Second street, west side, south of Spring 74 feet.	55
Second street, northwest corner of Coffin.	61
Second street, west side, at head of Morgan's lane. Post. . . .	60
Second street, west side, north of Grinnell 61 feet.	63
Second street, west side, north of Potomska 232 feet. Post. . . .	61
Second street, west side, south of Potomska 122 feet. Post. . . .	63
Second street, west side, 188 feet south of Blackmer. Post. . . .	59
Seventh street, southwest corner of Union. Post.	31
Seventh street, west side, north of Madison 50 feet.	36

Sherman street, south side, west of County 314 feet.	51
Sixth street, southwest corner of William.	36
Sixth street, southwest corner of School.	37
Sixth street, northwest corner of Madison.	42
Sixth street, southwest corner of Russell.	47
Sixth street, northwest corner of Wing.	56
Sixth street, west side, north of Grinnell 194 feet.	59
Smith street, southwest corner of Chestnut. Double.	22
Smith street, southeast corner of Spruce. Double.	20
Smith street, southeast corner of Emerson.	22
Smith street, south side, west of Emerson 404 feet.	27
South street, southwest corner of Acushnet avenue.	62
South street, southwest corner of Second.	62
South street, southwest corner of Prospect.	64
Spring street, southeast corner of Acushnet avenue. Post.	51
Spring street, southwest corner of Seventh.	32
Spring street, southeast corner of Fifth.	42
State street, northwest corner of Sycamore.	35
State street, southwest corner of Pearl.	34
Summer street, northwest corner of North.	16
Summer street, northwest corner of Hillman.	16
Summer street, southwest corner of Willis.	26
Sycamore street, southwest corner of Thomas.	30
Sycamore street, southwest corner of Summer.	24
Sycamore street, south side, west of Ash 68 feet.	22
Taber's wharf, south side, north of Union 36 feet.	63
Thomas street, northwest corner of Hillman.	24
Thompson street, south side, 20 feet east of Hall. Post.	58
Tremont street, southwest corner of Union. Post.	26
Tremont street, west side, south of Arnold 287 feet.	29
Union street, southwest corner of Water. Double.	57
Union street, southeast corner of Second.	52
Union street, southwest corner of Acushnet avenue. Double.	48
Union street, southwest corner of Sixth. Double.	35
Union street, south side, 344 feet west of Park. Post.	28
Walden street, southwest corner of Maxfield.	31
Wall street, south side, east of Acushnet avenue 165 feet.	62

Walnut street, northwest corner of Front. Post.	61
Walnut street, southwest corner of Second.	57
Walnut street, southeast corner of Fourth. Double.	51
Walnut street, southwest corner of Seventh. Post.	38
Wamsutta street, south side, west of Front 200 feet. Post.	65
Wamsutta street, south side, west of Front 372 feet. Post.	65
Wamsutta street, south side, east of Acushnet ave. 285 ft. Double.	64
Washburn street, southeast corner of Acushnet avenue.	59
Washburn street, south side, west of North Front 228 feet.	59
Washington street, southeast corner of Crapo.	58
Washington street, south side, west of Orchard 102 feet.	50
Washington street, southeast corner of Dartmouth.	46
Water street, southwest corner of Hillman.	65
Water street, southwest corner of North. Post.	64
Water street, west side, south of North 258 feet.	63
Water street, northwest corner of Middle. Double.	62
Water street, southwest corner of Elm.	60
Water street, west side, north of Centre 46 feet.	50
Water street, west side, north of School 22 feet.	60
Water street, northwest corner of Walnut.	61
Water street, northeast corner of City wharf.	62
Water street, northwest corner of Coffin.	64
Water street, west side, head of Pine. Post.	67
Water street, west side, head of Leonard. Double.	63
Water street, northwest corner of Howland.	64
Water street, northwest corner of Grinnell.	63
Water street, northwest corner of South.	62
Water street, west side, north of Potomska 31 feet.	64
Water street, northwest corner of Rivet.	63
Water street, southwest corner of Blackmer.	62
Water street, southwest corner of Delano.	62
Water street, west side, south of Division 285 feet.	62
Water street, southwest corner of Cove.	61
Weld street, southwest corner of State. Post.	43
William street, southwest corner of Bethel.	51
William street, southeast corner of Acushnet avenue.	47
William street, southwest corner of Eighth.	26

Willis street, southeast corner of Pleasant. Post.	41
Willis street, southwest corner of State.	32
Willis street, south side, 42½ feet east of Willis court. Post. . . .	27
Willis street, southwest corner of Cypress. Post.	19
Willis street, south side, west of Cedar 200 feet.	18
Wing street, southwest corner of Fourth.	57
Winsor street, south side, 336½ feet west of County. Post.	62

Number of flush hydrants, 236

Number of post hydrants, 174

Total number of hydrants, 410

Summary of Statistics.

REPORT OF 1887.

IN ACCORDANCE WITH SUGGESTIONS ADOPTED BY THE

NEW ENGLAND WATER WORKS ASSOCIATION.

NEW BEDFORD WATER WORKS, BRISTOL CO., MASS.

Population by census of 1885,

33,393

Date of construction,

1866 to 1869, inclusive.

By whom owned,

The property of the city of New Bedford.

Source of supply,

From a storing reservoir artificially formed by constructing a dam across the valley of the Acushnet river. seven miles north of the centre of the city.

Mode of supply,

By gravitation into the city, thence pumped into a distributing reservoir on an elevated site.

PUMPING.

1. Builders of pumping machinery,

- a. McAlpine engine, built by Quintard Iron Works.
- b. Worthington engine, built by Henry R. Worthington.
- c. High duty Worthington engine, built by Henry R. Worthington.

2. Description of coal used,

First Contract.

- a. Anthracite.
- b. Not applicable.
- c. Size, egg.
- d. Brand, "Lindermann's" sugar loaf Lehigh.
- e. Price per gross ton delivered, \$5.00.
- f. Percentage of ash, 10 $\frac{2}{10}$.

Second Contract.

- a. Anthracite.
- b. Not applicable.
- c. Size, egg.
- d. Brand, "Old Company's" Lehigh.
- e. Price per gross ton delivered, \$5.48.
- f. Percentage of ash, 11 $\frac{9}{10}$.
- g. Wood, price per cord, \$3.80.

	McAlpine.	Worthington.	High Duty Worthington.
3. Coal consumed for the year, in pounds,	392,360	265,415	1,133,831
4. $\frac{\text{Lbs. of wood consumed inpounds,}}{3} = \text{coal}$	1,450	501	657
5. Total fuel consumed for the year, (3) + (4),	393,810	265,916	1,134,488
6. Total pumpage for the year, in gallons,	220,337,172	121,455,608	754,340,094
7. Av. static head against which pumps work, in feet,	125.4	125.1	125.6
8. Av. dynamic head against which pumps work, in feet,	133.9	126.2	127.5

9. *a.* Number of gallons
pumped per pounds
of coal (3),

562 458 665

- b.* Number of gallons
raised 100 feet per
pound of coal for
total coal (3),

752 577 848

10. Duty, in foot lbs. per
100 pounds of coal,
using following form-
ula, making no de-
ductions for starting,
banking fires, heating
building, or anything
else :

62,480,955 48,072,699 70,703,924

$$\text{Duty} = \frac{\text{Gallons pumped (6) } \times 8.34 \text{ (lbs.) } \times 100 \times \text{dynamic head (8)}}{\text{Total fuel consumed (5)}}$$

COST OF PUMPING FIGURED ON PUMPING STATION EXPENSES, VIZ. :
\$9,435.63.

11. Per million gallons raised against average
dynamic head (8) into reservoir,

\$8.61

12. Per million gallons raised one foot high
(dynamic),

.06 $\frac{6006}{10000}$ cents.

COST OF PUMPING FIGURED ON TOTAL MAINTENANCE (see Finan-
cial CC.), VIZ. : \$74,008.05.

13. Per million gallons raised against average
dynamic head (8) into reservoir,

\$67.51

14. Per million gallons raised one foot high
(dynamic),

.52 $\frac{477}{1000}$ cents.

FINANCIAL.

MAINTENANCE.

RECEIPTS.		EXPENDITURES.	
<i>From consumers:</i>			
A. Water rates, domestic,	\$41,521.74	AA. Management and repairs,	\$26,208.05
B. Water rates, manufacturing,	4,086.69	BB. Interest on bonds,	47,800.00
C. Net receipts from water,		{ Total maintenance for year, Bonds paid, Balance to construction,	
D. Miscellaneous, (rents, repairs, etc.,)	\$45,608.43		\$74,008.05
E. Total,	271.75		30,000.00
<i>From public funds:</i>			31,672.13
{ General appropriation, water, General appropriation, debt,	12,000.00		
	77,800.00		
K. Gross receipts from all sources,	\$135,680.18	KK. Total,	
			\$135,680.18

CONSTRUCTION.

RECEIPTS.		EXPENDITURES.	
R. {	Balance from previous year,	FF. Extension, mains,	\$26,949.77
	\$26,105.81		
S. {	Balance from maintenance,	GG. Extension, services,	\$5,802.66
	31,672.13	a. Services,	7,666.98
	\$57,777.94	b. Fountains, meters,	
T.	Bonds issued,	HH. Special extensions,	4,441.80
	000.00		
T.	Appropriation from tax levy,		
	000.00	II. Total construction for year,	\$39,058.55
U.	Other sources, (service private lines,	JJ. Balance,	23,430.65
	meters, etc.,)		
	4,711.26	KK. Total,	\$62,489.20
V. Total,	\$62,489.20		

W. Net cost of works to this date,	.	.	.	.	\$1,298,460.76
X. Bonded debt at this date \$690,000, trust fund \$100,000 =					790,000.00
Y. No sinking fund.					
Z. Average rate of interest,	.	.	.	.	5 ⁸¹ / ₁₀₀ per cent.

CONSUMPTION.

1. Estimated total population at date,	36,000
2. Estimated population on lines of pipe at date,	31,750
3. Estimated population supplied at date,	30,080
4. Total number gallons consumed for year,	1,112,302,789
5. Passed through domestic meters,	2,852,326 gallons, or $0\frac{25}{100}$ per cent.
6. Passed through manuf. meters,	189,165,274 gallons, or 17 per cent.
7. Average daily consumption, in gallons,	3,047,404
8. Gallons per day to each inhabitant (1),	85
9. Gallons per day to each consumer (3),	101.
10. Gallons per day to each tap (distribution 22),	555

DISTRIBUTION.

MAINS.

1. Kind of pipe used,	Wrought iron cement lined, and cast iron.
2. Size,	From 4 inch to 30 inches.
3. Extended,	15,075 feet.
4. Discontinued,	2869 feet.
5. Total now in use,	$54\frac{37.82}{10000}$ miles.
6. Cost of repairs per mile,	\$21.19
7. Number of leaks for the year,	11
8. Small distribution pipes, less than 4 inches, total length,	5812 feet.
9. a. Fire hydrants added,	21

<i>b.</i> Watering-cart connections added,	1
10. <i>a.</i> Number fire hydrants now in use,	410
<i>b.</i> Number watering-cart hydrants now in use,	34
11. Stop-gates added,	38
12. Number now in use,	547
13. Small stop-gates, less than 4 inch, total,	59
14. Number of blow-off gates,	54
15. Range of pressure at centre for day and night,	29 lbs. to 37 lbs.

SERVICES.

16. Kind of pipe used,	Lead and cast iron.
17. Size,	From $\frac{1}{2}$ to 8 inches.
18. Extended,	9,492.5
19. Discontinued,	0
20. Total now in use,	About $31\frac{8}{10}$ miles.
21. Service taps added,	270
22. Number now in use,	5495
23. Average length of service,	35.2 feet.
24. Average cost of service,	Gross, \$21.49 Net, 7.26
25. Meters added,	22
26. Number now in use,	<i>a.</i> Domestic, 60 <i>b.</i> Manufacturing, 42
27. Motors and elevators added,	4
28. Number now in use,	28

IN BOARD OF ALDERMEN,
December 29th, 1887.

Received, and ordered printed in the City Documents,
and sent down for concurrence.

D. B. LEONARD,
City Clerk.

IN COMMON COUNCIL,
Dec. 29, 1887.

Concurred.

WM. A. MACKIE,
Clerk.

1888—CITY DOCUMENT No. 4.

Thirty-Sixth Annual Report

OF THE

TRUSTEES

OF THE

FREE PUBLIC LIBRARY

OF THE

CITY OF NEW BEDFORD,

MASS.

NEW BEDFORD:

E. ANTHONY & SONS, CITY PRINTERS,
1888.

OFFICERS OF THE FREE PUBLIC LIBRARY, FOR THE YEAR 1888.

TRUSTEES.

Ex-officio. Terms expire January, 1889.

MORGAN ROTCH, Mayor of the City.

STEPHEN D. PEIRCE, President of the Common Council.

WENDELL H. COBB, Chairman of the Committee of the City
Council on Public Instruction.

Elected by the City Council.

ISAAC B. TOMPKINS, JR.,

Term expires April, 1888.

MATTHEW C. JULIEN,

Term expires April, 1888.

LEONARD B. ELLIS,

Term expires April, 1889.

ARTHUR G. GRINNELL,

Term expires April, 1889.

GEORGE H. DUNBAR,

Term expires April, 1890.

GEORGE HOWLAND, JR.,

Term expires April, 1890.

PRESIDENT OF THE BOARD.

THE MAYOR.

CLERK.

GEORGE H. DUNBAR.

COMMITTEES.

On the Library—The Mayor, Messrs. Howland, Cobb and Julien.

On the Building—Messrs. Tompkins, Ellis and Peirce.

On Binding and Blanks—Messrs. Dunbar and Grinnell.

SUPERINTENDENT OF THE LIBRARY.

GEORGE H. DUNBAR.

LIBRARIAN.

ROBERT C. INGRAHAM.

ASSISTANT LIBRARIAN.

WILLIAM L. R. GIFFORD.

ASSISTANTS.

JOSEPHINE A. MERRICK,

MARY E. BROWN,

SUSIE H. GAMMONS.

JANITOR.

YORICK W. AMES.

REPORT.

To the City Council of the City of New Bedford:

GENTLEMEN, — We deem it unnecessary to repeat from year to year those general facts concerning the state and management of the Free Public Library, which by their very nature are subject to no change. The matters which the members of the City Council and the public would naturally look for in the report of the Trustees of the Library, are rather those changes in the character and the use of the library which take place during the year. The statistics of the library, which are here given, are of this nature.

While it is impracticable at present to give the exact number of books, it may be stated approximately that the total number of volumes in the library is over fifty thousand, and the proportion of works of fiction and juvenile publications is about six per cent., as heretofore.

During the year forty-two thousand six hundred and fifty-seven volumes have been taken from the library, a decrease from the deliveries of last year. This falling off is explained partly by the interruptions which the alterations and repairs in the new building involved, but mainly by the fact that it was found necessary to withhold the delivery of works of fiction while the catalogue was in course of preparation. This bulletin of fiction, which is now, Dec. 31, 1887, nearly completed, can be had when issued by application at the desk. Monthly lists of additions to the library are now regularly published for gratuitous distribution.

Since the new registration began, the total number of

cards issued up to January 1, 1888, was three thousand three hundred and fifty-three, a number which will rapidly be enlarged as the former users of the library apply for the renewal of their privilege.

With the delivery of fiction, which was resumed when the first part, "Authors," of the bulletin was printed, the registration and the call for books of all kinds immediately increased.

The number of newspapers on the stand is now fifteen.

The number of periodicals received is one hundred and sixty-four.

It may be proper here to state that no statistics can be given of the use of the periodicals, because, with the exception of a few that are of interest only to specialists, they are placed on the tables of the reading-room, and no record of their use can be made. In the course of the thirty-six years that the library has been open, two periodicals have been mutilated, and a few pencil-marked. We have lost none.

During the year three hundred and twenty-three volumes have been bound, and one hundred and seventy-nine rebound.

The librarian has sent out one hundred and eighty-one postals for books overdue.

The books that had been waiting for shelves have now been partially arranged. These will be numbered on some one of the movable systems, probably Mr. Dewey's, and the other books of the library will be gradually arranged on the same system. With these books, and with the new purchases, the shelf-room which the new building afforded is being rapidly filled.

There is still reason for repeating the warning against the marking and mutilation of books. While but a small part, if any, of this defacement may be due to malice, readers should remember that marginal notes are a direct

injury to a book in public use. The loaned volume is a trust and not the property of the individual reader, and should be treated accordingly.

It is evident that the advantages of the new reading-room, with better light and greater conveniences than before, are being appreciated by the public. And in conclusion, we would congratulate them, as we do ourselves, on the general prosperity of the library under the changes which the occupancy of the new building involved.

GIFTS.

From the Royal Society of Canada we have again received a quarto volume, the fourth, of their Proceedings and Transactions. Collections of volumes and pamphlets have come to us from Messrs. E. Anthony & Sons, Mr. Henry Willey, Mr. Southward Potter, 2d, and Dr. Geo. B. Hough. Edward B. Merrill, Esq., has sent us a large number of New York documents and valuable pamphlets. Mr. Farrington, to his regular yearly contribution, has added fifty-nine volumes on Engineering and Military Science. Harvard University, the Public Libraries of Boston and Cincinnati, and the Apprentices' Library, New York, have supplied us with their respective Bulletins. A list of other individuals whose thoughtful kindness has added to our store, will be found in the Appendix.

APPENDIX.

FINANCIAL STATEMENT CONCERNING THE FREE PUBLIC LIBRARY FOR 1887.

STATEMENT OF THE LIBRARIAN.

1887.			
Jan. 1.	Cash on hand,	\$65.29	
	Paper stock,	4.91	
	Catalogues and bulletins,	21.55	
	Fines,	195.31	\$287.06
	Paid for Expressage, freight and jobbing,	\$44.87	
	P. O. box and postage,	15.49	
	Books,	7.75	
	Binding and paper cutting,	13.62	
	Stationery,	33.33	
	Incidentals,	95.69	
1888, Jan. 1.	Balance in hands of librarian,	76.31	\$287.06

FREE PUBLIC LIBRARY ACCOUNT.

1887, Jan. 1.	Bills approved January,	\$429.81	
	February,	439.23	
	March,	418.06	
	April,	428.01	
	May,	642.31	
	June,	452.61	
	July,	430.01	
	August,	422.31	
	September,	440.54	
	October,	403.06	
	November,	389.06	
	December,	429.84	\$5,324.85
1887, Jan. 1.	Annual appropriation,	\$5,100.00	
	Transfer,	224.85	\$5,324.85

TRUST FUND ACCOUNT.

1887.

Jan. 1.	Sylvia Ann Howland fund,	\$10,957.00
	George Howland, Jr., fund,	310.53
	Charles W. Morgan fund,	421.17
	Oliver Crocker fund,	242.90
	James B. Congdon fund	260.37
	Dog fund,	602.74 \$12,794.71

SYLVIA ANN HOWLAND FREE PUBLIC LIBRARY FUND.

1887.

Jan. 1.	Unexpended balance of income,	\$10,957.00
July 1.	Six months' interest,	1,500.00
Dec. 31.	Six months' interest,	1,500.00
	Amount returned,	2.00 \$13,959.00

Bills approved for books, periodicals, and binding, viz. :

January audit,	\$240.68
February,	500.20
March,	204.61
April,	290.55
May,	549.72
June,	375.26
July,	308.14
August,	137.77
September,	454.12
October,	303.42
November,	584.38
December,	360.70 \$4,309.55

The detailed statement of the expenditures from the income of this fund is as follows :

Academy of Natural Sciences,	\$5.00
Allyn, John,	36.34
American Chemical Journal,	3.00
American Journal of Mathematics,	5.00
American Journal of Philology,	3.00
Anthony, E., & Sons,	6.00
Appleton, D., & Co.,	5.40
Armstrong, A. C., & Sons,	4.00
Austin, J. O.,	10.00
Brinton, D. G.,	3.00
City Treasurer,	128.50
Clark, A. S.,	6.95
Crooker, C. A.,	3.50

Cushing, William,	3.15
Dews, Edwin,	336.05
Dufossé, E.,	9.66
Elliot, A. M.,	2.50
Ellis, George H.,	2.00
Essex Institute,	3.00
Francis, D. G.,	13.73
Goss, F. B.,	2.00
Graham, A. A., Secretary,	4.00
Greene, A. C., & Sons,	5.00
Greenough, W. A., & Co.,	2.00
Harper, F. P.,	2.43
Harvard Monthly,	2.00
Hickox, J. H.,	5.00
Houghton, Mifflin & Co.,	57.00
Humphrey, George W.,	8.75
Hutchinson, H. S., & Co.,	630.46
Inman, H. S.,	5.50
Johns Hopkins University,	6.20
Johnston, W. J.,	3.00
Kane, D. J., & Bro.,	33.40
Lamb, J. H., Agent,	6.00
Larned, J. N.,	4.00
Lawrence, L. L.,	8.00
Lawton, J. M., Jr.,	631.09
Lend a Hand Co.,	4.80
Library Bureau,	1.00
Little, Brown & Co.,	1,063.89
Littlefield, George E.,	307.74
Loomis, J. W.,	4.25
Louderwick, W. H., & Co.,	52.50
Maine Historical and Genealogical Recorder,	3.00
Massachusetts Historical Society,	5.00
McDonough, Joseph,	24.31
Mercury Publishing Company,	6.00
Morgan, H. J.,	2.50
Morrell, T. H.,	7.65
Morse, George D.,	4.00
Munsell's Sons,	24.77
Nash, E. W.,	17.18
Noyes, H. D., & Co.,	40.70
Parsons, John D., Jr.,	18.00
Peet, S. D.,	27.00
Poor, H. V. & H. W.,	6.00
Publishers' Weekly,	9.00

Q. P. Index,	1.00	
Raymond, E. P.,	3.00	
Roffe, A. H., & Co.,	395.00	
Sampson, Murdock & Co.,	4.50	
Savery, M. E., Agent,	1.00	
Schoenhof, Carl,	132.51	
Scribner's Sons,	42.40	
Shea, John G.,	5.00	
Taber, Mary Jane,	2.00	
Thurston, B., & Co.,	5.00	
U. S. Patent Office,	15.60	
Way, J. D.,	27.00	
Williamson & Co.,	8.50	
Wilson, E. L.,	5.00	
Woman's Journal,	1.50	
Woodward, C. L.,	20.89	
Zahm, S. H., & Co.,	4.75	\$4,309.55

GEORGE HOWLAND, JR., FUND.

1887.

Jan. 1.	Unexpended balance of income,	\$310.53	
	One year's interest,	96.00	\$406.53

CHARLES W. MORGAN FUND.

1887.

Jan. 1.	Unexpended balance of income,	\$421.17	
	One year's interest,	60.00	\$481.17

OLIVER CROCKER FUND.

1887.

Jan. 1.	Unexpended balance of income,	\$242.90	
	One year's interest,	60.00	
		<hr/>	
		\$302.90	
	George W. Tryon, Jr.'s, bill,	40.00	\$262.90

JAMES B. CONGDON FUND.

1887.

Jan. 1.	Unexpended balance of income,	\$260.37	
	One year's interest,	30.00	\$290.37

DOG FUND.

1887.

Jan.	Unexpended balance,	\$602.74	
Feb.	Received from County Treasurer,	794.99	\$1,397.73

Paid Yorick W. Ames, janitor,	\$540.00	
Samuel H. Cook, insurance,	93.75	
L. Grinnell & Co., insurance,	93.75	
C. F. Borden, book-cases,	45.00	772.50
		<hr/>
		\$625.23

Total unexpended balance in the control of the Board of Trustees :

1888, Jan. 1.	Sylvia Ann Howland fund,	\$9,649.45
	George Howland, Jr., fund,	406.53
	Charles W. Morgan fund,	481.17
	Oliver Crocker fund,	262.90
	James B. Congdon fund,	290.37
	Dog fund,	625.23
		\$11,715.65

GEORGE H. DUNBAR, Clerk.

GIFTS, 1887.

Volumes. Pamphlets.

American Antiquarian Society, Worcester, Mass.,..		
American Peace Society, Boston, Mass.,		1
American Philosophical Society, Philadelphia, Pa.,		2
Ames, John G., Washington, D. C.,		1
Amherst College, Mass.,.....		2
Anthony, E. & Sons, City,	107	183
Apprentices' Library Company, Philadelphia, Pa.,		1
Battell, Robbins and Miss Anna, Norfolk, Conn.,..	1	
Bell, W. S., Chicago, Ill.,		1
Boston City Government,	3	
Boston Public Library,.....		3
Bowdoin College, Brunswick, Me.,		1
Bowen, Clarence W., New York City,.....		2
Bradlee, Rev. Caleb D., Boston, Mass.,		8
Brookline (Mass.) Public Library,.....		1
Brooklyn (N. Y.) Library,		3
Brownell, Frank T., New York City,	4	1
Buckminster, Joseph, City,.....	5	
Buffalo (N. Y.) Library,		1
Butler Hospital for the Insane, Providence, R. I., .		1
Chamber of Commerce, St. Paul, Minn.,		1
Cincinnati (Ohio) Public Library,	1	6
Clarke Inst. for Deaf Mutes, Northampton, Mass.,		1
Cobden Club, London, Eng.,		4
Cohen, Max, Librarian Maimonides Library,		1
Columbia College, New York City,		1
Collet, C. D., Diplomatic Review Office, London,..		2
Commissioners of the State Reservation at Niagara, Buffalo, N. Y.,		2
Committee of Slocum Post No. 10, Department of Rhode Island, G. A. R.,	1	
Commonwealth of Massachusetts,	15	3
Cook, Samuel H., City,.....		1
Cooper Union, New York City,.....		1

	Volumes. Pamphlets.	
Crapo, William W., City,.....	4	
Crunden, Frederick M., St. Louis, Mo.,		1
Cutter, Abram E., Charlestown, Mass.,		1
Day, David T., Washington, D. C.,		4
Dexter, Franklin B., New Haven, Conn.,	2	1
Dimmock, George, Cambridge, Mass.,		1
Dimond, H. C. & Co., Boston, Mass.,	1	
Dunbar, George H., City,	3	5
Durfee, William, City,		1
Eclectic Medical College, New York City,.....		1
Farrington, William H., New York City,.....	59	9
Fernow, Berthold, Albany, N. Y.,.....		1
Fessenden, C. B. H., City,.....		8
Fletcher Free Library, Burlington, Vt.,.....		1
Foote, Henry W.,.....		1
Francis, Joseph,		1
General Society of Mechanics and Tradesmen, N. Y.,		1
Georgia Historical Society, Savannah, Ga.,		1
Gifford, William L. R., City,		3
Goddard, William N., Hopedale, Mass.,.....		1
Green, Dr. Samuel A., Boston, Mass.,	1	9
Hakes, Harry,	1	
Hartford (Conn.) Library Association,.....		5
Harvard University, Cambridge, Mass.,.....		5
Hathaway, James H., City,	2	
Hough, George T., City,	42	10
Huling, Ray Greene, City,		1
Hutchinson, H. S., City,		1
Indianapolis (Ind.) Library,.....		1
Julien, Matthew C., City,	1	
Keenan, John J., Boston Public Library, Jamaica Plain Branch,.....	1	
Ladd, Warren, City,	2	10
Lancaster (Mass.) Library Committee,.....		1
Lawrence (Mass.) Free Public Library,.....		1
Library Company, Philadelphia, Pa.,		3
Lynn (Mass.) Public Library,		1
Maverick National Bank, Boston, Mass.,.....	1	
McMahan, Thomas, Hollister, Col.,...Newspapers.		
Mercantile Library Association, New York,.....		2
Mercantile Library Co., Philadelphia, Pa.,		1
Mercury Publishing Co., City,.....		2
Merrill, Edward B., New York City,	81	358
Middlesex Mechanics' Association, Lowell, Mass.,..		1

Volumes. Pamphlets.

Mills, Walter T., Wooster, Ohio,.....	1	
Mitchell, D. L.,.....		1
Monroe, Fred. S., City,.....		1
Mt. Holyoke Female Seminary, So. Hadley, Mass.,		1
Morgan, S. Griffiths, City,		1
New Haven (Conn.) Free Public Library,.....	1	1
New Jersey State Library, Trenton, N. J.,		2
Newport (R. I.) Historical Society,		1
Newton (Mass.) Free Library,.....		1
Nye, Ebenezer, City,.....		1
Nye, Gideon, Jr., Canton, China,	1	1
Nye, William B., Columbia College, New York,..	1	
Omaha (Neb.) Board of Trade,.....		2
Omaha (Neb.) Public Library,		1
Palmer, George H., City,.....		2
Peabody Institute, Baltimore, Md.,		1
Perkins Institution for the Blind, Boston, Mass., ..		1
Potter, Southward, 2d, City,.....	24	
Providence (R. I.) Public Library,	1	1
Public Library, Swansea, Wales,		1
Publishers of The Advocate of Peace, Boston, ...	1	
— — The Am. Lithographer and Printer,.....	1	
— — The Folio, Boston,.....	1	
— — The Manifesto, Canterbury, N. H.,	1	
— — The Signs of the Times, Oakland, Cal.,.....	1	
— — The Union Signal, Chicago, Ill.,	1	
— — The Watchman, Boston,.....	1	
Quint, Alonzo H., Dover, N. H.,.....	1	
Rantoul, R. S., Salem, Mass.,.....		1
Redwood Library, Newport, R. I.,.....		1
Richards, Ellen H., Boston, Mass.,	1	
Rodman, Edmund, City,	1	
Rodman, Thomas R., City,		1
Romero, Matias, Washington, D. C.,.....	1	
Rotch, Morgan, City,	Photograph.	
Royal Society of Canada, Montreal, Canada,	1	
Russell, Martha, City,.....	4	
Sawyer Free Public Library, Gloucester, Mass.,...	1	
Sims, Wm., Sec. State Board of Agricult., Kansas,.	1	
Slade, Avery F., Somerset, Mass.,		1
Smithsonian Institution, Washington, D. C.,		1
Springfield (Mass.) City Library Association,....		1
Sutro, Theodore, New York City,	1	
Taunton (Mass.) Public Library,		1

	Volumes. Pamphlets.	
Thompson, William, City,.....	1	29
Thomson, John H., City,.....		2
Tilley, R. H., Newport, R. I.,		1
Tinkham, Otis, City,	6	
Tyler, Charles E., City,	2	
Underwood, B. G., New York City,	1	
University of California,		1
United States:		
— Bureau of Education,	1	4
— Coast Survey,.....	1	
— Commissioners of Fish and Fisheries,		4
— Department of the Interior,	66	2
— Patent Office,.....	1	
— State Department,	3	10
— Treasury Department,	5	
Wharton, Francis, Washington, D. C.,	3	
Wilcox, Thomas, City,	15	
Willey, Henry, City,	109	67
Wilmington (Del.) Institute,		1
Wilson, D. M.,		1
Winslow, George F.,.....		2
Winthrop, R. C., Jr., Boston, Mass.,.....	1	
Woburn (Mass.) Public Library,		1
Woman's Medical College of Penn., Phila., Pa.,...		1
Worcester (Mass.) Public Library,		1
Worth, Benjamin, City,		1
Wright, Carroll D., Boston, Mass.,	1	
Wyman, A. F., City,	Magazines.	

IN BOARD OF ALDERMEN,

April 12, 1888.

Received, ordered printed in the City Documents, and
sent down for concurrence.

D. B. LEONARD,

City Clerk.

IN COMMON COUNCIL,

April 26, 1888.

Concurred.

WM. A. MACKIE,

Clerk.

1888—CITY DOCUMENT No. 5.

ANNUAL REPORT
OF THE
CHIEF ENGINEER
OF THE
FIRE DEPARTMENT
OF THE CITY OF NEW BEDFORD.



FOR THE YEAR ENDING DECEMBER 31, 1887.

FREDERICK MACY, CHIEF ENGINEER.

NEW BEDFORD :
E. ANTHONY & SONS, CITY PRINTERS.
1888.

COMMITTEE OF THE CITY COUNCIL
ON
FIRE DEPARTMENT,
1887.

Aldermen.

EDWARD T. PIERCE,
Residence 103 Spring street.

CHARLES S. ASHLEY,
Residence 53 Pleasant street.

Councilmen.

STEPHEN D. PEIRCE,
Residence 106 High street.

JOHN A. GOMLEY,
Residence 198 Kempton street.

MICHAEL DUGAN,
Residence 82 South Second street.

ENGINEERS' DEPARTMENT.

Chief Engineer.

FREDERICK MACY,

Residence 234 Acushnet avenue.

First Assistant Engineer.

MICHAEL F. KENNEDY,

Residence 139 Acushnet avenue.

Second Assistant Engineer.

LORING T. PARLOW,

Residence 5 North street.

Third Assistant Engineer.

PLINY B. SHERMAN,

Residence 433 Acushnet avenue.

Fourth Assistant Engineer.

AUGUSTUS A. WOOD,

Residence 46 Hill street.

Clerk of Board of Engineers.

LUTHER G. HEWINS, JR.,

Residence 762 County street.

REPORT.

FIRE DEPARTMENT OFFICE,
CITY HALL, NEW BEDFORD,
December 31st, 1887.

GENTLEMEN : — In compliance with the requirements of the city ordinance governing the Fire Department of the city of New Bedford, I herewith submit to you my eleventh annual report of the doings and condition of the department for the year ending December 31st, 1887, together with a list of the members, with their rank, number of badge, age, residence and occupation; location of fire alarm signal boxes, and distribution of keys to same; a statement of receipts and expenditures; fires and alarms; loss and insurance, as near as could be ascertained; location of hydrants and reservoirs; inventory of property in possession of the department; and such suggestions as I think may be of interest to you.

Again I have the pleasure of reporting a very fortunate year as regards fire losses; and although we have had a larger number of fires than ever before, our losses have been comparatively small, when we consider the large number of buildings erected each year and the rapid increase in the number of inhabitants.

The only disastrous fire we have had occurred at 10.53 P. M. April 1st, when Kirby's Paint Mill and several dwellings on Wall street were destroyed. The paint mill being of wood and very large, and filled with the most combustible material, burned so rapidly that our men were driven from the streets and some of them quite severely

burned, and we lost nearly one thousand feet of hose. The occupants of the dwellings on the opposite side of Wall street barely had time to save themselves, with what few things they could take with them. Some of them were left quite destitute, but the manner in which our citizens and benevolent societies rallied to relieve their distress and place them in good condition again was commendable.

Everything in the department has run along very smoothly during the year; the men have been prompt and energetic, and have taken an interest in their work.

I regret to have to report that death has entered our ranks and taken two of our members from among us. Henry R. Meigs, driver of Franklin Hose, died November 15th and was buried on the 20th, his funeral being attended by the whole department. James Conway, assistant foreman of Hook and Ladder Co. No. 1, and one of the oldest firemen in the department, died December 27th and was buried on the 29th. They were both good firemen, good citizens and upright men, and were esteemed by the whole department.

The new ladder and hose house, corner of Bowditch and Weld streets, has been finished, and I would call the attention of the incoming government to the importance of equipping the same with as little delay as possible, as there is urgent need of some protection in that large and growing district; and I would recommend that section eight of chapter eleven of the revised ordinances, which says that there shall be twenty men attached to each hook and ladder company, be changed to such number as the Board of Engineers may determine, for as we increase the number of trucks we can get along with a less number of men in each company.

In my last annual report I called your attention to the matter of some better protection of the north and west

section of the city, but there has been nothing done ; and although we have been fortunate and have had very few fires in that section, I feel it my duty to again call your attention to the subject. I realize that our expenses will be somewhat increased, but as the city continues to grow so rapidly in that direction it seems to me that it would be wise to have the department grow with it, for you must remember that we are so situated that we have to depend upon ourselves, and in case of a large fire it would be hours before we could get assistance from other cities.

FORCE OF THE DEPARTMENT.

The force of the department consists of one chief and four assistant engineers and clerk, thirteen men permanently employed, and one hundred and thirty-two call members, making a total of one hundred and fifty-one men.

APPARATUS.

The apparatus consists of six steam fire engines, (five in commission and one in reserve,) one hand engine stationed at the Head of the River, four two-wheeled and five four-wheeled horse hose carriages, (three of the two-wheeled ones in reserve,) two hook and ladder trucks, (one in reserve and stationed at the coal depot on Elm street,) three sleigh reels, six exercise and coal wagons, and one telegraph wagon, all in good repair.

I would again recommend that the old numbers three and four be disposed of, as they are old and worn out, of no use to us, and we have no good place to store them.

HOUSES.

The engine-houses are in good order, considerable having been done the past year. The cellar at Number One house has been lowered and a good drain put in, and the

house is now as dry and healthy as any in the department. The stable of Number One has had a new floor and beams, and I know of no heavy outlay required the coming year.

HORSES.

There are twenty-one horses belonging to the department, most of them in good condition. It may be necessary to exchange one or two the coming year. We have been very fortunate the past year, and have had very little sickness among them.

HARNESSES.

There are nine sets of double and eight single harnesses in the department, all in good condition.

HOSE.

There are eleven thousand and eight hundred feet of cotton rubber-lined hose in the department, nearly all in good condition, which is sufficient for our present apparatus, but if we put a reel in the new house it will be necessary to purchase enough to equip it.

WATER SUPPLY.

The number of hydrants, January 1st, 1887, was three hundred and eighty-eight (388); added during the year, twenty-one (21); making a total of four hundred and nine (409.)

There are thirty-one (31) reservoirs all in good order, and some of them very large. There has been considerable work done on them the past year, and I hope another year to see the last of the large square iron covers removed from the sidewalks and replaced by smaller round ones, as the old ones are very slippery after a light fall of snow.

We have had a good water supply on all occasions during the year, and we feel under many obligations to the gentlemen of the Water Board, and to the Superintendent of the Water Works, for their willingness to listen to the requests of this Board, and their promptness in granting the same. It is very gratifying to this Board to know that there is a good prospect of soon having the water mains extended to Lund's Corner.

FIRE ALARM.

This branch of the service has worked very well during the year, but I consider that we are taking too many chances in running it much longer in its present condition. In my last annual report I stated that we were fast outgrowing our present system; that our circuits were too large and overloaded, and in case of trouble on any of our lines would leave a large section of the city exposed. Since then we have added considerable to it, and there has been a large number of telegraph and electric light wires run, which increases the danger very much, and I would suggest that the incoming government give this important matter their early attention.

There have been three boxes added during the year, viz.: 13, corner Cedar and Locust streets; 57, corner County and Mosher streets; 126, corner of Cedar Grove and North Front streets.

We have now fifty-four (54) fire alarm boxes, twenty-five (25) miles of wire, eight bell-strikers, eight fifteen-inch engine-house gongs, seven seven-inch engineers' gongs, and three small tappers, operated by a battery of one hundred and forty-seven cups.

PROTECTING SOCIETY.

There has been more work for this society than usual the past year. The members have been prompt in responding, and have saved a large amount of property; and the only complaint I have to make is the small number of rubber covers at their disposal, and hope some means will be devised whereby they may be increased.

RECEIPTS AND EXPENSES.

Appropriation for 1887,	\$30,500.00
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Cash received and paid to City Treasurer, as follows :

For pumping, &c.,	\$60.00	
Overpaid on pay-rolls,	2.31	
General sewer account,	36.00	
Street department,	6.75	
Sale of manure, city farm,	287.79	
Transfer to balance account,	6.03	398.88
		<hr/> \$30,898.88
Expenditures,		\$30,898.88

CONCLUSION.

To his Honor the Mayor and gentlemen of the City Council for their many acts of kindness, to the assistant engineers for their support, and to the officers and members for their promptness, I return my most sincere thanks.

FREDERICK MACY,
Chief Engineer.

STATEMENT OF EXPENDITURES.

STATEMENT No. 1.

EXPENDITURES OF THE BOARD OF ENGINEERS FOR THE
YEAR 1887.

Pay-roll,	\$1,520.00
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STATEMENT No. 2.

EXPENDITURES OF THE FIRE ALARM FOR THE YEAR 1887.

Pay of Assistant Superintendent,	\$600.00
Vitriol,	103.59
Boxes,	400.00
Gongs,	40.00
Tapper,	30.00
Wire,	48.17
Spelter,	38.17
Copper,	3.30
Grain,	64.28
Hay,	24.80
Incidentals,	78.73
	<hr/>
	\$1,431.04

STATEMENT No. 3.

RUNNING EXPENSES OF COMPANIES FOR THE YEAR 1887.

Company pay-rolls,	\$6,525.74
Permanent men's pay-rolls,	11,439.57
Hay and straw,	1,512.41
Grain,	803.39
Shoeing and blacksmithing,	348.34
Harnesses and repairs,	264.98
Wood and coal,	773.11
Gas,	396.20
Electric lights,	100.08
Engine and wagon repairs,	546.54
Incidentals,	145.50
	<hr/>
	\$22,855.86

STATEMENT No. 4.

INCIDENTAL AND SUPPLY ACCOUNT FOR 1887.

Horse-hire,	\$333.00
New hose and repairs,	1,196.25
Telephones, and rent of same,	354.00
Horses,	422.50
Labor, &c.,	165.15
Rent,	85.00
Advertising and printing,	100.70
Freight and carting,	62.53
Repairing reservoirs,	54.02
Sundries,	1,433.23
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	\$4,206.38

STATEMENT No. 5.

EXPENDITURES OF THE NEW BEDFORD PROTECTING
SOCIETY FOR 1887.

Pay-rolls,	\$150.00
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STATEMENT No. 6.

REPAIRS OF BUILDINGS FOR THE YEAR 1887.

Weld Street engine-house,	\$14.66
Onward, No. 1, engine-house,	474.33
Central engine-house,	44.91
C. Howland, No. 4, engine-house,	106.21
Z. Hillman, No. 5, engine-house,	83.95
F. Macy, No. 6, engine-house,	11.54
	<hr/>
	\$735.60

STATEMENT No. 7.

TOTAL EXPENDITURES OF THE FIRE DEPARTMENT FOR
THE YEAR 1887.

Expenditures of the Board of Engineers, as per Statement No. 1,	\$1,520.00
Expenditures of fire alarm, as per Statement No. 2,	1,431.04
Running expenses, as per Statement No. 3,	22,855.86
Incidentals and supplies, as per Statement No. 4,	4,206.38
Expenditures of Protecting Society, as per Statement No. 5,	150.00
Repairs on buildings, as per Statement No. 6,	735.60
	<hr/>
	\$30,898.88

Fire Department Roll.

ONWARD STEAM FIRE ENGINE CO., No. 1.

House on Purchase street, foot of Franklin street. Engine built by Amoskeag Manufacturing Co., Manchester, N. H.; capacity 500 gallons per minute; weight of engine, as drawn to fires, 6950 lbs.; weight of hose carriage, with 1050 feet of Boyd's cotton hose, 2850 lbs.; put into service Aug. 26, 1869. Company organized Jan. 1, 1870.

Date of Joining.	No. of Badge.	Name.	Rank.	Age.	Residence.	Occupation.
Apr. 29, 1873.	8	Allen W. Tinkham,	Foreman.	33	30 County ave.	Carpenter.
June 15, 1876.	17	George A. Tripp,	1st Asst.	39	63 Foster st.	Clerk.
Apr. 24, 1882.	6	Edward M. Durfee,	2d Asst.	42	Acushnet ave.	Blacksmith.
Dec. 30, 1871.	9	E. C. Milliken,	Clerk.	44	435 Purchase st.	Baker.
Jan. 27, 1873.	7	Julian A. Sweet,	Hoseman.	38	State & Franklin.	Roll Coverer.
May 31, 1880.	14	Charles A. Wilson,	"	31	111 Campbell st.	Carpenter.
May 7, 1883.	11	F. W. Brightman,	"	29	Middle st.	Paint Manuf.
Apr. 28, 1884.	12	Nelson J. Stone,	"	34	Park st.	Horse Trainer.
Oct. 27, 1884.	16	Edgar F. Tripp,	"	36	344 Pleasant st.	Copper Worker.
Dec. 29, 1884.	19	John Whitehead,	"	43	Pearl st. and Acushnet ave.	Sawyer.
Jan. 26, 1885.	15	James F. Powers,	"	34	102 Merrimac st.	Machinist.
Aug. 31, 1885.	10	Wm. O. Brightman,	"	35	33 Austin st.	Paint Manuf.
Apr. 1, 1885.	18	Roland A. Hatch,	Torch.	21	Purchase & High.	Clerk.
Sept. 1, 1885.	13	John T. Aghen,	"	25	12 Willis st.	"
Mar. 7, 1884.	20	Fred'k H. Wood,	Engineer.	27	Engine-house.	Engineer.
Dec. 30, 1871.	21	James L. Bryant,	Driver.	49	"	Hostler.
Apr. 10, 1885.	23	Isaac Dawson,	Reel driver	22	593 Purchase st.	Teamster.
Apr. 1, 1884.	22	Harris N. Tinkham,	Stoker.	29	74 Parker st.	Blacksmith.

PROGRESS STEAM FIRE ENGINE CO., No. 2.

House corner Purchase street and Mechanics lane. Engine built by the Amoskeag Manufacturing Co., Manchester, N. H.; capacity 500 gallons per minute; weight of engine, as drawn to fires, 7000 lbs.; weight of hose carriage, with 1050 feet Boyd's cotton hose, 2850 lbs.; put in commission Nov. 6, 1884. Company organized Oct. 27, 1860.

Date of Joining.	No. of Bdge.	Name.	Rank.	Age.	Residence.	Occupation.
Oct. 7, 1878.	30	George M. Crapo,	Foreman.	36	48 No. Second st.	Frame Maker.
Nov. 1, 1862.	25	John Downey,	1st Asst.	50	72 No. Second st.	Teamster.
July 3, 1876.	32	Charles F. Dean,	2d Asst.	33	59 Elm st.	Carriage Painter.
Aug. 20, 1874.	27	James D. Allen,	Clerk.	51	202 Purchase st.	Clerk.
Jan. 1, 1872.	29	James G. Harding,	Hoseman.	53	62 State st.	Carpenter.
Jan. 1, 1872.	28	Edw. C. Spooner,	"	53	58 No. Sixth st.	Teamster.
July 6, 1874.	26	E. R. Leverett,	"	34	188 Middle st.	Clerk.
Nov. 1, 1875.	31	Allen T. Kendrick,	"	35	96 Washington st.	Carpenter.
July 3, 1876.	34	Moses Dean,	"	34	202 Purchase st.	Blacksmith.
June 2, 1879.	33	Wm. R. Sherman,	"	36	161 William st.	Merchant.
May 5, 1884.	36	Saml. W. Mitchell,	"	29	31 Mill st.	Boat Builder.
May 11, 1885.	35	Wm. K. Wagner,	"	31	44 Pleasant st.	Telephone Inspector.
Jan. 6, 1886.	37	E. Kempton Pierce,	Torch.	26	19 Mill st.	Shoemaker.
1887.	24	Michael Thompson	"	21	77 Middle st.	Junk Dealer.
Apr. 4, 1876.	38	George B. Russell,	Engineer.	55		Engineer.
May 1, 1871.	39	William P. Soule,	Driver.	55	303 Acushnet ave.	Hostler.
July 16, 1876.	41	Michael Conway,	Reel driver	49	8 Walnut st.	"
Aug. 20, 1874.	40	Lemuel W. Hayes,	Stoker.	44	18 Hillman st.	Wood Turner.

CORNELIUS HOWLAND STEAM FIRE ENGINE CO., No. 4.

House corner Sixth and Bedford streets. Engine built by the Amoskeag Manufacturing Co., Manchester, N. H.; capacity 500 gallons per minute; weight of engine, as drawn to fires, 7000 lbs.; weight of hose carriage, with 1050 feet Boyd's cotton hose, 2850 lbs.; put in service May 20, 1884. Company organized Feb. 1, 1867.

Date of Joining.	No. of Bdge.	Name.	Rank.	Age	Residence.	Occupation.
Dec. 10, 1877.	42	Edgar S. Gilbert,	Foreman.	40	27 Fifth st.	Painter.
Nov. 10, 1879.	53	Benj. F. Hinckley,	1st Asst.	31	50 Bedford st.	Printer.
Aug. 31, 1885.	48	Jas. J. Donaghy,	2d Asst.	23	91 Washington st.	Machinist.
May 4, 1868.	50	William A. Gibbs,	Clerk.	37	73 Forest st.	Cabinet Maker.
Jan. 29, 1857.	46	James M. Tripp,	Hoseman.	52	211 Acushnet ave.	Carpenter.
Jan. 29, 1867.	43	Hugh McDonald,	"	44	113 So. Second st.	Blacksmith.
Jan. 27, 1873.	49	John H. Backus,	"	36	12 Rockland st.	"
Dec. 6, 1877.	47	Charles H. Card,	"	39	73 Forest st.	Painter.
Aug. 28, 1882.	45	Saml. Watson, 2d,	"	30	122 Acushnet ave.	Grocer.
Jan. 31, 1881.	44	Charles S. Wing,	"	33	123 Fifth st.	"
Oct. 27, 1884.	51	Roland W. Snow,	"	52	139 Fourth st.	Painter.
Aug. 31, 1885.	52	Danl. J. McDonald,	"	25	96 So. First st.	Blacksmith.
July 26, 1886.	54	Wm. E. Watson, Jr.,	Torch.	23	37 Fifth st.	Clerk.
Aug. 29, 1887.	55	Henry J. Marshall,	"	24	63 School st.	Blacksmith.
Jan. 29, 1867.	56	Daniel D. Briggs,	Engineer.	49	43 Bedford st.	Machinist.
Apr. 29, 1878.	58	Alonzo V. Jason,	"	33	Engine-house.	"
Jan. 29, 1867.	57	Geo. H. W. Tripp,	Driver.	52	"	Hostler.
Mar. 1, 1887.	59	Isaac L. Ashley,	Reel driver	30	43 Wing st.	Stable Keeper.

ZACHARIAH HILLMAN STEAM FIRE ENGINE CO., No. 5.

House corner of County and Hillman streets. Engine built by Messrs. Clapp & Jones, Hudson, N. Y.; capacity 500 gallons per minute; weight of engine, as drawn to fires, 7250 lbs.; weight of hose carriage, with 1050 feet Boyd's cotton hose, 2850 lbs.; put into service Dec. 13, 1873. Company organized Dec. 13, 1873.

Date of Joining.	No. of Bdge.	Name.	Rank.	Age.	Residence.	Occupation.
Jan. 29, 1883.	60	Chas. C. Gifford,	Foreman.	42	151 North st.	Carpenter.
Jan. 27, 1885.	65	John F. Gifford,	1st Asst.	33	169 Kempton st.	Teamster.
May 23, 1886.	61	Henry C. Stubbs,	2d Asst.	35	146 Kempton st.	Painter.
July 1, 1880.	69	Jerrie B. Taber,	Clerk.	27	13No. Emerson st.	Carriage Maker.
Feb. 28, 1881.	67	E. R. Bentley,	Hoseman.	61	80 Kempton st.	Carpenter.
May 1, 1876.	64	Geo. H. Chadwick,	"	53	154 Kempton st.	Painter.
Dec. 13, 1873.	62	Isaiah H. Wilcox,	"	51	506 Acushnet ave.	"
Jan. 29, 1883.	70	Martin S. Nelson,	"	31	44 Sycamore st.	Peddler.
May 25, 1885.	66	Charles H. Brown,	"	33	75 Maxfield st.	Teamster.
June 1, 1885.	71	Andrew T. Allen,	"	25	214 Cedar st.	Plumber.
Feb. 1, 1885.	68	Squire A. Gifford,	"	31	163 Kempton st.	Teamster.
May 3, 1884.	72	George H. Cook,	"	25	119 Maxfield st.	Clerk.
Feb. 23, 1885.	73	Arthur Forbes,	Torch.	20	151 North st.	"
Oct. 1, 1885.	63	Joseph Forbes,	"	21	121 Cedar st.	Shoemaker.
Dec. 13, 1873.	74	M. Blanchard, Jr.,	Engineer.	44	Engine-house.	Engineer.
Jan. 7, 1876.	75	B. F. King, Jr.,	Driver.	47	"	Hostler.
May 1, 1882.	76	Charles Jones,	Stoker.	35	"	Wood Turner.
July 13, 1875.	77	Reuben Taber,	Reel driver	32	14 Spruce st.	Hostler.

FREDERICK MACY STEAM FIRE ENGINE CO., No. 6.

House on Fourth street, head of Potomska street. Engine built by Amoskeag Manufacturing Co., Manchester, N. H.; capacity 500 gallons per minute; weight of engine, as drawn to fires, 7100 lbs.; weight of hose carriage, with 1050 feet Boyd's cotton hose, 2850 lbs.; put into service Nov. 1, 1882. Company organized October 31, 1882.

Date of Joining.	No. of Edge.	Name.	Rank.	Age.	Residence.	Occupation.
Oct. 31, 1882.	121	George W. Parker,	Foreman.	36	135 Washington st.	Bookkeeper.
"	127	Thomas Wood,	1st Asst.	41	117 Grinnell st.	Photograph'r.
Nov. 16, 1886.	170	Edward W. O'Neil,	2d Asst.	28	5 Thompson st.	Glass Cutter.
Oct. 31, 1882.	122	Herbert B. Gardner	Clerk.	41	114 Washington st.	Compositor.
Mar. 29, 1883.	128	Joseph Jackson,	Hoseman.	32	171 Grinnell st.	Barber.
Oct. 31, 1882.	131	Charles R. Cornell,	"	30	County st.	Stable Keeper.
"	132	Jason L. Ballou,	"	42	41 Rockland st.	Carpenter.
"	133	Charles K. Wood,	"	36	87 Acushnet ave.	Passepartout Maker.
"	125	Marshall S. Greene	"	33	Rivet, near Crapo	Mason.
May 8, 1884.	126	Robert N. Allen,	"	44	4 Thompson st.	Painter.
June 22, 1885.	124	Jas. H. Sherman,	"	39	234 County st.	Machinist.
Nov. 24, 1885.	123	Henry M. Mosher,	"	39	205 County st.	"
Oct. 31, 1882.	134	Frank Greene,	Torch.	22	87 Acushnet ave.	Teamster.
"	135	Frederick Nelson,	"	21	200 So. Second st.	Blacksmith.
"	137	Charles G. Taber,	Engineer.	39	Engine-house.	Engineer.
"	138	Edward Dugan,	Driver.	48	"	Hostler.
Nov. 10, 1886.	142	Benjamin Groves,	Stoker.	31	284 Fourth st.	Machinist.
Oct. 31, 1882.	136	N. Herbert Greene,	Reel driver	30	91 Acushnet ave.	Marketman.

FRANKLIN HOSE CO., No. 1.

House corner Purchase street and Mechanics lane. Carriage built by the Amoskeag Manufacturing Co., Manchester, N. H.; weight of carriage and 900 feet vulcanized rubber hose, 2790 lbs.; put into service Jan. 1, 1872. Company organized Dec. 31, 1871.

Date of Joining.	No. of Badge.	Name.	Rank.	Age.	Residence.	Occupation.
Dec. 6, 1873.	82	David W. Howland	Foreman.	51	227 Acushnet ave.	Blacksmith.
Mar. 6, 1885.	79	Chas. T. Maxfield,	1st Asst.	23	141 Middle st.	Printer.
May 6, 1886.	83	Samuel C. King,	2d Asst.	26	427 Acushnet ave.	Cooper.
Jan. 1, 1873.	81	Jas. S. Hathaway,	Clerk.	57	496 Acushnet ave.	Shipwright.
Dec. 1887.	80	George S. Allen,	Driver.	29	36 Elm st.	Teamster.
Nov. 26, 1877.	84	Daniel H. Burns,	Hoseman.	45	Purchase st., cor. Sears court.	Boiler Maker.
Dec. 1885.	78	Aug. G. Mitchell,	"	29	101 No. Second st.	Painter.
Nov. 24, 1884.	85	Wm. H. Maxfield,	"	21	141 Middle st.	Clerk.
1887.	167	John B. Oliver,	Torch.	23	Elm st.	Blacksmith.

PIONEER HOOK AND LADDER CO., No. 1.

House corner of Purchase street and Mechanics lane. Carriage built by Joseph T. Ryan, of Boston; put into commission Aug. 4, 1877.

Date of Joining.	No. of Buge.	Name.	Rank.	Age.	Residence.	Occupation.
Jan. 30, 1870.	87	Lysander W. Davis	Foreman.	55	106 Chestnut st.	Carpenter.
Aug. 5, 1865.	102	Chas. J. Johnson,	1st Asst.	56	23 Locust st.	Spar Maker.
Mar. 31, 1874.	89	Charles E. Pierce,	Clerk.	40	16 Morgan st.	Printer.
Feb. 5, 1884.	98	Chas. B. Allison,	Ladderm'n	31	50 Hillman st.	Hackman.
Aug. 1, 1879.	96	Nathl. H. Caswell,	Axeman.	40	500 Acushnet ave.	Blacksmith,
Jan. 10, 1874.	97	James W. Dugan,	Ladderm'n	33	85 So. Second st.	Teamster.
June 6, 1884.	93	Charles H. Delano,	"	25	102 Potomska st.	Mechanic.
June 2, 1880.	103	Alfred M. Gifford,	"	23	72 Walden st.	Decorator.
June 24, 1883.	105	Edw. D. Francis,	"	32	26 Kempton st.	Shoemaker.
Oct. 30, 1882.	104	Henry C. Gidley,	"	25	112 Kempton st.	"
Nov. 24, 1879.	94	Chas. M. Hathaway	"	44	33 North st.	Teamster.
Oct. 26, 1863.	90	A. R. Luscomb,	Axeman.	48	159 Pleasant st.	Laborer.
May 24, 1886.	95	A. V. Landers,	Ladderm'n	49	268 Purchase st.	Shoemaker.
Sept. 26, 1887.	100	Loren N. Mosher,	"	30	High st. and Acushnet ave.	"
Feb. 5, 1884.	101	Frank Spooner,	"	32	10 Bethel st.	Painter.
Aug. 7, 1863.	86	Phillip M. Tripp,	"	49	84 Elm st.	Teamster.
July 26, 1880.	92	Clarfaus Vansant,	"	50	Mill st. and Acushnet ave.	Blacksmith.
Sept. 21, 1881.	106	William A. Hamer,	Torch.	21	78 Middle st.	Printer.
Dec. 1, 1886.	107	Wm. R. Russell,	"	21	19 Walnut st.	Ornamenter.
Feb. 1, 1875.	108	Lewis G. Allen,	Driver.	65	Cor. Pleasant and Mill sts.	Hostler.

HANCOCK ENGINE CO., No. 9.

House located at Acushnet. Engine built by John Agnew of Philadelphia, in 1843. Engine removed to Acushnet Jan. 18, 1861, and a company was organized to man her at that time. Company reorganized Dec. 14, 1878.

Date of Joining.	No. of Bdge.	Name.	Rank.	Age	Residence.	Occupation.
Dec. 14, 1878.	146	John A. Russell,	Foreman.	37	Acushnet ave.	Farmer.
May 7, 1883.	147	F. P. Washburn,	1st Asst.	44	"	Carpenter.
Dec. 14, 1878.	154	Jos. W. Spooner,	2d Asst.	35	"	Peddler.
Apr. 7, 1886.	156	John Dailey,	Clerk.	28	"	Box Maker.
Nov. 3, 1886.	150	Job T. Haskins,	Steward.	41	Mill street.	Laborer.
Dec. 14, 1878.	149	John Sylvia,	Suction Hoseman.	50	Bellville road.	Shoemaker.
May 1, 1882.	159	Israel Peckham,	"	45	Tarkiln Hill road	
Dec. 14, 1878.	153	Wm. T. Gifford,	Leading Hoseman.	40	Mill street.	Farmer.
"	160	Herbert M. Spooner	"	30	Acushnet ave.	Box Maker.
Sept. 3, 1883.	151	John G. Whalon,	"	26	"	"
Dec. 14, 1878.	148	A. B. Grinnell, Jr.,	"	48	Mill street.	Grocer.
"	152	James A. Wilber,	Brakeman.	42	"	Barber.
"	165	Allen Russell, Jr.,	"	30	Acushnet ave.	Postmaster.
"	157	Geo. W. Randall,	"	50	Main street.	Carpenter.
"	166	Eli W. Reed,	"	49	Tarkiln Hill road	Teamster.
"	158	L. A. Washburn,	"	49	Acushnet ave.	"
Dec. 4, 1882.	164	George W. Hawes,	"	33	"	"
Jan. 5, 1882.	145	Isaac Reed,	"	22	"	Carpenter.
Nov. 3, 1886.	163	Henry E. Reed,	"	21	Tarkiln Hill road	Teamster.
Oct. 8, 1885.	155	James L. Haskins,	"	22	Acushnet ave.	"
Nov. 3, 1886.	162	Geo. W. Chudleigh,	"	22	"	Hostler.
	1887.	James H. Taber,	"	21	"	Box Maker.
	1886.	Geo. H. Gifford,	Torch.	16	"	Painter.
Dec. 1886.		John F. Parker,	"	19	"	"

NEW BEDFORD PROTECTING SOCIETY.

President, Charles S. Kelley ; First Director, Jonathan Handy ; Second Director, William A. Robinson ; Third Director, Charles H. Lawton ; Fourth Director, Edward T. Pierce ; Fifth Director, Charles M. Haskell ; Sixth Director, Edmund F. Maxfield ; Seventh Director, Edmund Wood ; Eighth Director, John H. Lowe ; Secretary and Treasurer, Edward H. Allen.

Francis T. Akin,
Gilbert Allen,
Gideon Allen, Jr.,
George H. H. Allen,
O. Frank Bly,
Standish Bourne,
George E. Briggs,
Thomas Boardman,
Charles A. Case,
R. C. P. Coggeshall,
Edwin Dews,
Henry C. Denison,
John H. Denison,
Ernest A. Dunham,
Joseph Dawson,
Joseph Dias,
Edward R. Gardner,
Edmund Grinnell,
Frank H. Gifford,
A. W. Hadley,
Charles B. Hillman,
John I. Howland,
Charles M. Hussey,
Henry F. Hammond,
Thomas H. Knowles,
G. D. Kingman,
Edgar R. Lewis,
Philander F. Manchester,
Willard Nye, Jr.,
Charles W. Plummer,
George F. Parlow,

William F. Potter,
Arthur E. Perry,
James N. Parker,
William H. Pitman,
Charles L. Paine,
William F. Reed,
Morgan Rotch,
William A. Russell,
Arthur E. Robbins,
Lewis H. Richardson,
Gardner T. Sanford,
R. W. Swift,
Frederick Swift,
William T. Smith,
Leander H. Swift,
Edward S. Shaw,
Robert Snow,
Charles M. Taber,
Henry J. Taylor,
Joseph Tillinghast,
William T. Taylor,
Henry W. Taylor,
Francis C. Terry,
Alfred G. Wilbor,
William H. Willis,
Horace Wood,
William O. Woodman,
Frederick A. Washburn,
Edward L. Wilde,
Thomas F. Wood,
William R. West.

Mark T. Vincent.

Fire Alarms, Losses and Insurance, for 1887.

The loss by fire for the year 1887 was, in the aggregate, \$45,141.55. Amount of insurance, \$708,150. Number of bell alarms, 41. Still and telephone alarms, 36.

Jan. 1st, 2 30 P. M. Box 56. Fire in building southwest corner of First and Blackmer streets, owned by Abbott P. Smith and occupied by Patrick Eaton. Cause, clothes igniting from stove. Companies responding: Engines 4 and 6, Hook and Ladder No. 1, and Franklin Hose. Alarm given by citizen. No loss.

Jan. 4, 5 P. M. (Still.) Chimney fire in house southwest corner of Middle street and Acushnet avenue, owned by heirs of John H. Jennings. Responded to by men from Central engine-house. No loss.

Jan. 4, 11 30 P. M. (Telephone.) Chimney fire in house southeast corner of Union and Lincoln streets, owned by heirs of Geo. Marston. Responded to by men from No. 4 engine-house. No loss.

Jan. 11, 6 20 A. M. Box 18. Fire in building corner of Purchase and Kempton streets, owned by Thomas L. Sayer and occupied by Nicholas Dematty. Cause, breaking of petroleum lamp. Companies responding: Engines 1 and 2, Hook and Ladder No. 1, and Franklin Hose. Alarm given by H. H. Fisher. Loss on building, \$14.12; insurance, \$2500. Loss on stock, \$325; insurance, \$2000.

Jan. 21, 8 53 A. M. Box 39. Alarm caused by burning brush on Morgan's row. Companies responding: Engines 4 and 6, Hook and Ladder No. 1, and Franklin Hose. Alarm given by citizen. No loss.

Jan. 24, 8 53 P. M. Box 24. Fire in building east side of Chancery street north of Kempton, occupied by Susan Randall. Cause, wood in stove oven igniting. Companies responding: Engines 2 and 5, Hook and Ladder No. 1, and Franklin Hose. Alarm given by citizen. No loss.

Jan. 29, 4 30 P. M. Box 27. Fire in brick block on Pleasant street, owned by James D. Thompson and occupied by Jennie McKerness, milliner. Cause, hot ashes in wooden box. Companies responding: Engines 2 and 4, Hook and Ladder No. 1, and Franklin Hose. Alarm given by George B. Russell. No loss.

Jan. 31st, 9 21 P. M. Box 18. Fire in cooper shop on Water street, foot of North street, belonging to estate of Wilcox & Richmond and occupied by Alexander G. Myrick. Cause, incendiary. Companies responding: Engines 1 and 2, Hook and Ladder No. 1, and Franklin Hose. Alarm given by H. H. Fisher. Loss on building, \$701; insurance, \$1500. Loss on stock, \$600; insurance, \$800. Loss on tools, \$300; insurance, \$200.

Feb. 2, 8 A. M. (Still.) Fire in sawdust in cellar of A. G. Myrick's cooper shop. Extinguished by men from C. Howland engine-house.

Feb. 4, 11 30. (Telephone.) Fire in barn corner of Summer and Mill streets, owned by William G. Taber. Caused by workman repairing wires of N. B. Electric Lighting Co. leaving a burning naphtha blast too near the building. Extinguished by men from No. 5 engine-house. Loss, \$5.

Feb. 10, 12 midnight. Box 18. Fire in building No. 86 North Second street, owned by Mr. Johnson and occupied by Mrs. Mary Wood and Mrs. Adeline Wilbur. Cause, defective chimney. Companies responding: Engines 1 and 2, Hook and Ladder No. 1 and Franklin Hose. Alarm given by citizen. No loss.

Feb. 13, 12 55 P. M. Box 24. Fire in building No. 75 Cedar street, owned by Louis Equi and occupied by him and Peter Farchini. Cause unknown. Companies responding: Engines 2 and 5, Hook and Ladder No. 1, and Franklin Hose. Alarm given by citizen. No loss.

Feb. 15. (Telephone.) Fire in trees on Union street, caused by electric light wires.

Feb. 15, 12 30 P. M. (Still.) Fire in chimney of house on Division street, occupied by Daniel Brightman. No loss.

Feb. 21, 2 P. M. (Still.) Fire in picker room at Wamsutta Mills. Extinguished by automatic sprinklers. Loss, \$708.77; insurance, \$500,000.

March 1, 11 A. M. Box 12. Fire in house on Grand street, owned and occupied by Edgar H. Gammons. Cause, sparks from chimney. Companies responding: Engines 1 and 5, Hook and Ladder No. 1, and Franklin Hose. Alarm given by citizen. Loss, \$29.38; insurance, \$1800.

March 5, 12 30 P. M. (Still.) Fire in house on Sixth street, owned and occupied by F. B. Greene. Cause, sparks from chimney. Responded to by men from No. 4 engine-house. No loss.

March 15, 2 15 P. M. Box 51. Fire in building No. 10 Grape street, owned by Hannah H. Fuller and occupied by Capt. Jonathan A. Fuller. Cause, hot ashes in barrel. Companies responding: Engines 4 and 6, Hook and Ladder No. 1, and Franklin Hose. Alarm given by citizen. Loss, \$6; insurance, \$750.

March 27. (Still.) Fire in upper story of tenement block No. 13 Hicks street. Cause, petroleum lamp running over and igniting. Extinguished by Officer A. H. Jones. No loss.

March 27. (Telephone.) Chimney fire in building No. 110 Park street, owned and occupied by Ann Taylor. Extinguished by men from No. 5 engine-house.

April 1, 10 53 P. M. Box 7. Fire in building on north side of Wall street, owned by George Kirby Jr., and occupied by George Kirby, Jr., & Co. as a paint mill, and Job Wade, currier, communicating with house on the south side of Wall street, owned by Cyrus E. Lee and occupied by John McGlynn and Jeremiah Sullivan on first floor, and Daniel Sullivan and Daniel Sullivan, 2d, on second floor, then communicating with building next west, owned by Stephen McNamara and occupied by Mrs. James Griffin, and the house next west, owned by Stephen McNamara and occupied by Wm. O'Leary and Thomas Buchanan, which were all totally destroyed. The house next west, owned by John Ryan and occupied by himself and Bridget Manning, was partially destroyed. The next house west of this, owned by Alfred Rainford and occupied by himself and Patrick Sullivan, was slightly damaged. House on north side of Wall street, next west of paint mill, owned by Daniel Goulding and occupied by John Harrington, was partially destroyed. Two houses on Seneca street, belonging to Stephen McNamara and occupied by Mary Sullivan, Baptiste De Roche, Patrick Foley, and Mrs. Ann Fitzsimmons, were somewhat scorched. Cause, supposed incendiary. Companies responding: Engines 1 and 5, Hook and Ladder No. 1, and Franklin Hose. Alarm given by Alex. H. Covell.

11 06 P. M. Box 7. Second alarm for same fire, given by order of Chief Engineer. Companies responding: Engines 2 and 4.

11 16 P. M. Box 7. Third alarm for same fire, given by order of Chief Engineer. Company responding: Engine 6.

Losses.		Insurance.	
Geo. Kirby, Jr., building,	\$7,050.00	Building,	\$7,050.00
Geo. Kirby, Jr., stock,	11,000.00	Stock and machinery,	11,000.00
Job Wade,	5,100.00	Stock and machinery,	5,250.00
John Ryan,	600.00	Building,	1,000.00
Stephen McNamara,	2,000.00	Two buildings,	2,000.00

Daniel Goulding,	323.50	House,	800.00
Alfred Rainford,	105.00	"	1,900.00
Stephen McNamara,	86.00	"	2,000.00
Stephen McNamara,	65.00	"	1,200.00
Thomas Sharples,	21.00	"	1,200.00
Thomas Sharples,	10.00	"	1,200.00
John Irving,	45.00	"	1,500.00
E. Milliken,	20.00	"	1,500.00
E. Milliken,	10.00	"	1,000.00
C. E. Lee and others,	120.00	"	1,200.00
Furniture of tenants,	1,200.00		

April 4, 4 08 P. M. Box 27. Fire in building on High street, owned by Caleb Shepherd and occupied by Mrs. Emeline Tripp. Cause, fire in wood-box. Companies responding: Engines 2 and 4, Hook and Ladder No. 1, and Franklin Hose. Alarm given by George B. Russell. Loss, \$29.72; insurance, \$500.

April 9, 10 30 A. M. (Telephone.) Chimney fire in house of Wm. R. Wing, corner of Acushnet avenue and Walnut street. Responded to by men from Central engine-house. No loss.

April 13, 7 46 A. M. Box 27. Fire in building on Purchase street, owned by Elizabeth A. Bonney and occupied by Edwin A. Boomer, milliner. Cause, overheated stove. Companies responding: Engines 2 and 4, Hook and Ladder No. 1, and Franklin Hose. Alarm given by M. Conway. Loss on building, \$284.60; insurance, \$1000. Loss on stock and fixtures, \$525; insurance, \$1800.

April 18, 9 30 A. M. (Still.) Fire in house of Edgar H. Gammons on Grand street. Extinguished by neighbors. Cause, sparks from chimney. Loss, \$25; insurance, \$1800.

April 19, 12 30 P. M. (Telephone.) Chimney fire in house of H. M. Knowlton. Responded to by men from No. 4 engine-house. No loss.

April 25, 6 22 P. M. Box 15. Fire in building No. 7 West Campbell street, owned by Capt. Joseph S. Wood and occupied by himself and Mrs. Wm. H. Taber. Cause, kindling fire with kerosene. Companies responding: Engines 1 and 5, Hook and Ladder No. 1, and Franklin Hose. Alarm given by citizen. No loss.

May 3, 10 15 A. M. Box 34. Fire in paint shop on South Water street, owned by heirs of Sylvia Ann Howland and occupied by Oliver E. Gifford. Cause unknown. Companies responding: Engines 2 and 4, Hook and Ladder No. 1, and Franklin Hose. Alarm given by Officer Dumac. Loss on building, \$120; insurance, \$900. Loss on stock, \$96.40; insurance, \$800.

May 10, 5 P. M. Box 46. Fire in shed rear of W. D. Sherman's blacksmith shop on South Water street. Cause, sparks from chimney. Companies responding: Engines 4 and 6, Hook and Ladder No. 1, and Franklin Hose. Alarm given by citizen. No loss.

May 22, 10 A. M. (Still.) Chimney fire in house No. 197 Cedar street. Extinguished by men from No. 5 engine-house. No loss.

May 28, 3 P. M. Box 34. Fire in building corner of Front street and Rose alley, owned by heirs of Joseph Taber and occupied by Brownell & Co., paint manufacturers. Cause, sparks from chimney. Companies responding: Engines 2 and 4, Hook and Ladder No. 1, and Franklin Hose. Alarm given by citizen. Loss, \$54; insurance, \$3000.

June 2. (Still.) Fire in Parlow's photograph rooms. Extinguished by men from Central engine-house. Loss, trivial.

June 13. Chimney fire in house of Dr. A. M. Pierce on Sixth street. Responded to by men from No. 4 engine-house. No loss.

June 14, 9 P. M. Box 27. Fire in City Hall. Cause, cotton batting used in preparing for Union for Good Works festival catching fire. Companies responding: Engines 2 and 4, Hook and Ladder No. 1, and Franklin Hose. Alarm given by citizen. Loss, \$25; no insurance.

June 29, 6 50 A. M. Box 34. Fire on roof of Watson's bakery on Centre street. Cause, sparks from chimney. Companies responding: Engines 2 and 4, Hook and Ladder No. 1, and Franklin Hose. Alarm given by citizen. Loss, \$12; insurance, \$4000.

July 4, 12 20 A. M. (Still.) Fire on roof of Gosnold Mills. Extinguished by Officers Comstock, Daily, and Murphy. No loss.

July 4, 12 20 P. M. Box 26. Fire on roof of John McCluskey's grocery store, corner of Middle and Second streets. Cause, fireworks. Companies responding: Engines 1 and 2, Hook and Ladder No. 1, and Franklin Hose. Alarm given by citizen. No loss.

July 4, 4 P. M. Box 6. Fire in dwelling-house on Austin street, owned by Wamsutta Mills Co. and occupied by Charles Proux and Edmund Patnaude. Cause, fireworks. Companies responding: Engines 1 and 5, Hook and Ladder No. 1, and Franklin Hose. Alarm given by citizen. Loss on building, \$250; insurance, \$2000. Loss on furniture, \$50; no insurance.

July 5. (Still.) Fire in heap of dumpage at head of Hillman street. Extinguished by Franklin Hose.

July 9, 8 P. M. Box 125. Fire in house of Joseph C. Durfee, 409 Pleasant street. Cause, dropping of kerosene lamp on floor. Companies responding: Engines 1 and 5, Hook and Ladder No. 1, and Franklin Hose. Alarm given by citizen. No loss.

July 11, 11 17 P. M. Box 3. Fire in barn on Duncan Perry estate, Acushnet avenue. The barn was totally destroyed, and the house was slightly damaged. Cause, incendiary. Companies responding: Engines 1 and 9, and Franklin Hose. Alarm given by citizen.

11 20 P. M. Box 3. Same fire. Company responding: Engine 5. Loss on barn, \$750; insurance, \$750. Loss on house, \$24.31; insurance, \$1000.

July 15, 9 48 A. M. Box 39. Fire in house No. 17 Morgan's lane, occupied by George W. Sisson. Cause, unknown. Companies responding: Engines 4 and 6, Hook and Ladder No. 1, and Franklin Hose. Alarm given by citizen. Loss, \$4.64; insurance, \$1000.

July 15. (Still.) Fire in basement of house southeast corner of Acushnet avenue and Spring street, occupied by Robert W. Early, carpet weaver. Cause unknown. Loss slight.

July 18, 9 30 A. M. Box 45. Fire in building No. 31 Sherman street, owned by James E. Read and occupied by Bridget Sullivan. Cause, overheated oil stove. Companies responding: Engines 4 and 6, Hook and Ladder No. 1, and Franklin Hose. Alarm given by citizen. Loss, \$2.34; insurance, \$2000.

July 19, 7 A. M. (Still.) Fire in Silver Plating Works, corner of Pleasant street and Mechanics lane. Extinguished by men from Central engine-house. Loss on building, \$25; insurance, \$1000. Loss on stock, \$76.19; insurance, \$500.

Aug. 11. (Still.) Fire in seaweed on oil on Rotch's north wharf. Extinguished by Chief Macy and others.

Aug. 12, 5 P. M. Box 125. Fire in photograph saloon on Purchase street, owned and occupied by A. Benoit. Cause, running over of alcohol lamp. Companies responding: Engines 1 and 5, Hook and Ladder No. 1, and Franklin Hose. Alarm given by citizen. Loss on building, \$250; insurance, \$450. Loss on stock, \$550; insurance, \$750.

Aug. 29, 6 30 A. M. Box 34. Fire on roof of Watson's bakery on Centre street. Cause, sparks from chimney. Companies responding: Engines 2 and 4, Hook and Ladder No. 1, and Franklin Hose. Alarm given by citizen. No loss.

Aug. 29, 10 45 A. M. Box 34. Fire in bales of cotton on Commercial wharf, belonging to the New Bedford Manufacturing Co. Cause, unknown. Companies responding: Engines 2 and 4, Hook and Ladder No. 1, and Franklin Hose. Alarm given by citizen. Loss, \$86.17; insurance, \$2000.

Sept. 3, 1 30 A. M. Box 7. Fire in block on Purchase street near Logan, owned by Nathan Chace and occupied by Doxtrodare & La Rocque Brothers, Wm. R. West, painter, and others. Cause, unknown. Companies responding: Engines 1 and 5, Hook and Ladder No. 1, and Franklin Hose. Alarm given by Officer Daily. Loss on building, \$538; insurance, \$6500. Loss on Wm. R. West's stock, \$450; insurance, \$3000. Loss on Doxtrodare & La Rocque stock, \$350; insurance, \$900.

Sept. 5, 7 P. M. Box 125. Fire No. 2 Weld street, in building owned by F. & D. S. Considine and occupied by Chausse & La France. Cause, unknown. Companies responding: Engines 1 and 5, Hook and Ladder No. 1, and Franklin Hose. Alarm given by citizen. Loss, \$25; insurance, \$3000.

Sept. 5. (Still.) Men from No. 1 engine-house called to Rev. H. M. Dexter's house, head of Merrimac street. Cause, the cover to stove-pipe hole being left out, the room was filled with smoke.

Sept. 22, 5 30 A. M. Box 46. Fire in building northeast corner of Water and Howland streets, owned by Alonzo V. Jason and occupied by Thomas Forbes. Cause, defective chimney. Companies responding: Engines 4 and 6, Hook and Ladder No. 1, and Franklin Hose. Alarm given by Officer Pierce. Loss, \$42; insurance, \$1000.

Sept. 24, 4 P. M. (Still.) Fire in house corner of Pope and North Oak streets, owned and occupied by Mrs. Michael Murphy. Cause, sparks from chimney. Extinguished by Engineer Briggs. No loss.

Sept. 25, 5 P. M. Box 46. Fire in building No. 59 Howland street, owned by Andrew Lombard and occupied by Frank Sylvia. Cause, trimmings near altar catching from candles. Companies responding: Engines 4 and 6, Hook and Ladder No. 1, and Franklin Hose. Alarm given by citizen. No loss.

Oct. 16. (Still.) Chimney fire in house of Wm. C. Taber, corner of Walnut and Fourth streets. Extinguished by men from No. 4 and Central engine-houses. No loss.

Oct. 15. (Still.) Fire on the Bridge opposite Yacht Club House. Cause, bursting of gas main.

Oct. 15. (Still.) Chimney fire in house on Sixth street, occupied by Jonathan Handy. Extinguished by men from Central engine-house. No loss.

Oct. 22. (Still.) Chimney fire in house corner of Hillman and Chestnut streets, owned and occupied by Ezra Francis. Extinguished by men from No. 5 engine-house. No loss.

Oct. 23. (Still.) Chimney fire in house of Frederick Swift on Orchard street. Extinguished by men from Central and No. 4 engine-houses. No loss.

Oct. 24, 9 45 P. M. Box 3. Fire in building on the south side of Tarkiln Hill road, owned by George A. Cobb and occupied as a fire kindling factory and hall. Cause, boiling over of kindling preparation. Companies responding: Engines 1 and 9, and Franklin Hose. Alarm given by citizen. Loss on building, \$1200; insurance, \$1000. Loss on stock, \$93.48; insurance, \$500.

Nov. 3, 3 53 P. M. Box 27. Fire in the Iron Foundry at Fairhaven. Companies responding: Engine 2, and Franklin Hose.

Nov. 5. (Telephone.) Call to Bancroft House. Responded to by men from Central and No. 4 engine-houses. No fire.

Nov. 7. (Still.) Fire in Standard office, caused by arc light wires. Responded to by men from Central engine-house. Loss trivial.

Nov. 15, 8 30 P. M. Box 34. Fire in building Nos. 23 and 25 Union street, owned by the Standish estate and occupied by F. B. Aulich, glass decorator. Cause, overheated furnace. Companies responding: Engines 2 and 4, Hook and Ladder No. 1, and Franklin Hose. Alarm given by Officer Robbins. Loss on building, \$87; insurance, \$2000. Loss on stock, \$75; insurance, \$3,200.

Nov. 15, 8 30 P. M. (Still.) Fire in building No. 15 Griffin street, occupied by Margaret Connors. Cause, drunken woman upsetting a kerosene lamp. No loss.

Nov. 21, 5 30 P. M. (Still.) Chimney fire in house on Cottage street, occupied by Prof. Edwin Emery. Extinguished by men from No. 5 engine-house. No loss.

Dec. 3, 9 46 A. M. Box 56. Fire in block in rear of Blackmer street, owned by Acushnet Mill Co. and occupied by Thomas Loftus and Frank Baer. Cause, overheated stove. Companies responding: Engines 4 and 6, Hook and Ladder No. 1, and Franklin Hose. Alarm given by citizen. Loss on house, \$586; insurance \$1400. Loss on furniture, \$200; no insurance.

Dec. 19, 10 40 P. M. Box 27. Fire in China Hall building on Purchase street, owned by heirs of Geo. Tappan and occupied by Henry C. Hathaway and others. Cause, unknown. Companies responding: Engines 2 and 4, Hook and Ladder No. 1, and Franklin Hose. Alarm given by citizen. Loss on building, \$1450; insurance, \$8000. Loss on stock and fixtures, \$5000; insurance, \$7000.

Dec. 20, 8 15 A. M. Box 56. Fire in building on Delano street, belonging to estate of Henry T. Wilcox and occupied by Chas. McAuley and John Dowd. Cause, rats and matches. Companies responding: Engines 4 and 6, Hook and Ladder No. 1, and Franklin Hose. Alarm given by citizen. Loss on building, \$105; insurance, \$600. Loss on furniture, \$25; no insurance.

Dec. 21, 5 P. M. (Still.) Fire in St. Lawrence church on County street. Cause, igniting of naphtha. Extinguished by men from No. 5 engine-house. Loss, \$75; insurance, \$17,500.

Dec. 25. (Still.) Fire in building No. 86 High street, owned by estate of Henry T. Wilcox and occupied by Mrs. McIntyre. Cause, bursting of a lamp. Loss on furniture, \$75; no insurance.

Dec. 26. (Telephone.) Chimney fire in house of Dr. Swift. Responded to by men from No. 4 engine-house. No loss.

Dec. 30. Chimney fire in house on Elm street, owned and occupied by Leonard B. Ellis. Responded to by men from Central engine-house. No loss.

The following is the amount of losses by fire in this city for the past eleven years, together with the amount of insurance on same:

Years.	Loss.	Insurance.
1877,	\$26,063.66	\$21,528.36
1878,	28,154.46	66,025.00
1879,	9,163.16	54,950.00
1880,	7,609.13	49,450.00
1881,	26,624.96	86,979.00
1882,	23,169.64	692,950.00
1883,	17,398.14	77,450.00
1884,	134,729.82	310,950.00
1885,	6,982.41	148,025.00
1886,	26,786.03	1,108,800.00
1887,	45,141.50	708,150.00

Fire Alarm Telegraph, 1887.

SUPERINTENDENT.

FREDERICK MACY, Chief Engineer.

ASSISTANT SUPERINTENDENT.

DANIEL D. BRIGGS.

Residence, Engine-house, N. W. cor. Bedford and South Sixth streets.

Office, City Hall.

LOCATION OF SIGNAL BOXES.

- No. 3. Lund's Corner.
- 4. Acushnet Heights, near reservoir.
- 123. Acushnet avenue, near Coffin avenue.
- 125. Near gate-house, railroad crossing.
- 126. Cedar Grove and North Front streets.
- 5. Linden and Ashland streets.
- 6. Hazard and State streets.
- 7. Purchase and Franklin streets.
- 8. County and Pearl streets.
- 9. Wamsutta street and Acushnet avenue.
- 12. Shawmut avenue and Durfee street.
- 13. Cedar and Locust streets.
- 14. Purchase and Willis streets.
- 15. Smith and Cedar streets.
- 16. County and Hillman streets.
- 17. Maxfield street and Acushnet avenue.
- 18. Purchase and North streets.
- 21. North and Water streets.
- 23. Kempton, west of Florence street.
- 24. Kempton and Cedar streets.
- 25. County and Kempton streets.
- 26. Water and Middle streets.
- 27. Purchase street and Mechanics lane.
- 28. Court and Cedar streets.

- 29. Arnold and Ash streets.
- 32. Union and Eighth streets.
- 34. Union and Water streets.
- 35. Fourth and School streets.
- 36. Walnut and Water streets.
- 37. Madison and Orchard streets.
- 38. Bedford and Sixth streets.
- 39. Acushnet avenue and Cannon street.
- 41. Hawthorn and Page streets.
- 45. Allen and Bonney streets.
- 46. South Water and Leonard streets.
- 47. Junction Sixth and County streets.
- 48. Water and South streets.
- 51. Dartmouth and Rockland streets.
- 52. Fourth street, head of Potomska.
- 56. South Water and Rivet streets.
- 57. Mosher and County streets.
- 58. South Water and Cove streets.
- *61. Union Street Railway Horse Car Stables.
- *62. Grinnell Mill.
- *63. Wamsutta Mills.
- *64. New Bedford Manufacturing Co.
- *65. Hathaway, Soule & Harrington.
- *67. New Bedford Cordage Factory.
- *68. New Bedford Copper Works.
- *71. Pairpoint Manufacturing Co.
- *72. George Delano's Sons & Co's Works.
- *73. Potomska Mills.
- *74. Acushnet Mills.
- *75. Morse Twist Drill Company.

LIST OF FIRE ALARM KEYS FOR 1887.

- | | |
|------------------------------|-----------------------------|
| 1 Samuel C. Hart. | 15 County jail office. |
| 2 A. C. Tripp. | 16 James D. Thompson. |
| 3 David Monerief. | 17 |
| 4 Engine-house No. 1. | 18 Wm. H. Sherman's stable. |
| 5 George A. Bourne. | 19 Hart & Akin. |
| 6 Andrew M. Swift. | 20 Henry Taber. |
| 7 Silas D. Dammon. | 21 Engine-house No. 4. |
| 8 Engine-house No. 5. | 22 Thomas B. Tripp. |
| 9 Gosnold Mills Corporation. | 23 City Planing Mill. |
| 10 Henry H. Fisher's bakery. | 24 R. S. Cornell's stable. |
| 11 Lloyd B. Brown. | 25 Geo. Delano's Sons & Co. |
| 12 Seth Coddling. | 26 Seth C. Caldwell. |
| 13 Philip Tripp. | 27 William Hindle. |
| 14 Engine-house No. 2. | 28 Frederick F. Moulton. |

* Private boxes, only to be rung for fire on the premises.

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| 29 Samuel C. Moore. | 85 Luther M. Dayton. |
| 30 E. Dews. | 86 Wamsutta Mills, gate-keeper's
lodge. |
| 31 Joshua B. Ashley. | 87 A. Negus. |
| 32 James E. Blake. | 88 Chief Engineer's office. |
| 33 William A. Pease. | 89 Destroyed. |
| 34 Josiah Richmond. | 90 John W. Brady. |
| 35 Lowe's store, corner Ash and
Arnold streets. | 91 Henry Stevens. |
| 36 Jireh Swift. | 92 James G. Sinclair. |
| 37 J. L. Paddock. | 93 West Police Station. |
| 38 Mrs. Joseph R. Read. | 94 E. T. Case. |
| 39 E. Anthony & Sons' office. | 95 R. Moynan. |
| 40 Mrs. C. M. Peirce, Jr. | 96 Police. |
| 41 John S. Cook's stable. | 97 Joseph B. Wing. |
| 42 Mercury Publishing Co's office. | 98 Joseph D. L. Sisson. |
| 43 Frank C. Bliss. | 99 Isaac M. Jones. |
| 44 John Clare. | 100 Lost, May, 1874. |
| 45 Lost, May, 1885. | 101 Patrick Cannavan. |
| 46 W. A. Robinson & Co's factory. | 102 Allen L. Lee. |
| 47 ——— Jenney. | 103 Frederick P. Bliss. |
| 48 Denison Bros. | 104 Thomas W. Comstock. |
| 49 Thomas J. Taft. | 105 D. A. Butler. |
| 50 Arthur H. Jones. | 106 Ellery T. Pierce. |
| 51 Motin Yancey. | 107 F. Hussey. |
| 52 J. L. Wilber. | 108 W. G. Howland. |
| 53 Lost, Dec. 1872. | 109 James Dowden. |
| 54 James A. Wixon. | 110 James A. Mitchell. |
| 55 Seth E. Bryant. | 111 John H. Gifford. |
| 56 Chief Engineer's office. | 112 F. L. Hathaway. |
| 57 Patrick Carney. | 113 David G. Kirby. |
| 58 Henry H. Fisher. | 114 Lost, Nov. 1875. |
| 59 Michael F. Kennedy. | 115 J. W. Arnett. |
| 60 Lost, 1876. | 116 |
| 61 Benjamin F. H. Reed. | 117 William C. Gifford. |
| 62 Lost, Jan. 1874. | 118 George W. Page. |
| 63 Horace G. Howland. | 119 Timothy Sullivan. |
| 64 George H. Clark. | 120 Daniel D. Briggs. |
| 65 N. B. Gas Light Co. | 121 John Savage. |
| 66 Hastings & Co's factory. | 122 Eben C. Milliken's bakery. |
| 67 Edward Kilburn. | 123 Marcus W. Taber. |
| 68 L. T. Parlow. | 124 Rodolphus Beetle. |
| 69 P. B. Sherman. | 125 Bryant Bros.' factory. |
| 70 A. A. Wood. | 126 Mrs. Henry T. Wood. |
| 71 William E. Macomber. | 127 Lemuel M. Kollock. |
| 72 Frederick Macy. | 128 D. A. Snell. |
| 73 Moses H. Bliss. | 129 Thomas Boardman. |
| 74 Abraham H. Howland, Jr. | 130 Robert S. Lawton. |
| 75 George L. Brownell. | 131 G. A. Taylor. |
| 76 James M. Tripp. | 132 L. G. Hewins, Jr. |
| 77 Potomska Mills Corporation. | 133 Charles S. Paisler. |
| 78 John Corey. | 134 Lost. |
| 79 Chief of Police office. | 135 Hathaway, Soule & Harrington. |
| 80 Isaac B. Tompkins. | 136 Henry Howard. |
| 81 Henry W. Bumpus. | 137 Mt. Washington Glass Co. |
| 82 Rufus A. Soule. | 138 Amanda M. Peirce. |
| 83 William H. Sherman. | 139 Fred A. Sowle. |
| 84 L. D. Adams. | |

140	S. P. Richmond.	196	} Grinnell Mill.
141	E. H. Martin.	197	
142	Cornelius J. Murphy.	198	Pairpoint Mfg. Co.
143	George A. Cobb.	199	Grinnell Mill.
144	Augustus Harrington.	200	N. B. Cordage Co.
145	E. C. Taber.	201	Wamsutta Mills.
146	Acushnet Paper Mill.	202	} N. B. Cordage Co.
147	Engineer's office.	203	
148	George S. Anthony.	204	
149	Daniel J. Humphrey.	205	} Acushnet Mill.
150	Charles H. Robbins.	206	
151	Alexander O. Peirce.	207	} Wamsutta Mills.
152	Elisha E. Russell.	208	
153	Chief of Police office.	209	
154	Police.	210	} Grinnell Mill.
155	Michael Stevens.	211	
156	George S. Handy.	212	N. B. Manufacturing Co.
157	James Wilson.	213	Hathaway, Soule & Harrington.
158	No. 6 engine-house.	214	Potomska Mills.
159	Mrs. B. R. Paine.	215	Hathaway, Soule & Harrington.
160	Thomas Donaghy.	216	} Potomska Mills.
161	John Sylvia.	217	
162	Thomas Donaghy's store.	218	
163	William A. Pease.	219	} New Bedford Mfg. Co.
164	Frederick Cushman.	220	
165		221	
166	Washington A. Eldridge.	222	} Hathaway, Soule & Harrington.
167		223	
168	W. F. Wheaton.	224	
169	T. B. Rowe.	225	} M. T. D. & Machine Co.
170	Henry Parsons.	226	
171	Tillinghast & Terry's watchman.	227	
172	Thomas Pelan.	228	} N. B. Copper Co.
173	William Osgood.	229	
174	Roland R. Ashley.	230	
175	John H. Lowe.	231	} S. Eggers.
176	William J. Marr.	232	
177	John H. Thomson.	233	N. B. Copper Co.
178	John Lincoln.	234	George Delano.
179	Lemuel T. Terry.	235	Wamsutta Mills.
180	Chief Engineer of F. D.	236	Pierce & Bushnell Manf. Co.
181	Chief Engineer's house.	237	D. D. Briggs.
182	Horse car stable.	238	George W. Hillman.
183	Old Colony R. R. gate-house.	239	James H. Sherman.
184	James Davis.	240	} George Delano.
185	D. A. Snell's house.	241	
186	Abram Francis.	242	
187	O. G. Brownell.	243	} William J. Clark.
188	John Wing.	244	
189	Charles C. Taber.	245	Patrick Kennedy.
190	Chief Engineer's office.	246	Chief of Police office.
191	Thomas M. Hart.	247	Joseph H. Day.
192	Jouathan Bourne.	248	} Chief of Police office.
193	J. G. Ellis.	249	
194	Mt. Washington Glass Works.	250	
195	Acushnet Mill.		

251	John Ward.	289	John P. Taylor.
252	Louis H. Richardson.	290	Rural cemetery gate.
253	New Bedford Gas Co.	291	G. L. Brownell.
254		292	A. H. Covell.
255		293	E. J. Collamore.
256		294	George B. Russell.
257		295	O. F. Bly.
258		296	L. A. Plummer.
259		297	C. E. Lee.
260	W. K. Wagner.	298	Edward D. Mandell.
261	Richard S. Taber.	299	Fred S. Potter.
262	Pairpoint Manufacturing Co.	300	Loum Snow.
263	George B. Wheeler.	301	George Howland.
264	Mrs. Leonard.	302	No. 83 Dartmouth street.
265	F. A. Sowle & Son.	303	A. Hurd.
266	Charles S. Kelley.	304	Greene & Wood.
267	Horse car stables.	305	John Smith.
268	John C. Parker.	306	William H. Smith.
269	Thomas D. Howland.	307	Horse Car Co.
270	William H. Mitchell.	308	Bowker & Tripp.
271	—— Farrar.	309	Walter Clifford.
272	James M. Lyons.	310	King Manufacturing Co.
273	John Lowe.	311	Chief of Police.
274	Henry L. Dunham.	312	
275	William F. West.	313	
276	Benjamin H. Reed.	314	
277	Calvin K. Turner.	315	
278	Horse car stable.	316	Greenwood House.
279	N. B. & N. Y. Steamship Co.	317	
280	Charles Randall.	318	
281	George Vogel.	319	
282	John H. Williams.	320	
283	Chief of Police office.	321	Chief of Police.
284	Smith Brothers.	322	
285	I. H. Shurtleff.	323	
286	Switch tender's lodge.	324	
287	C. O. Andrews.	325	
288	Orphans' Home.		

Location of Hydrants.

ACUSHNET AVENUE.

Southwest corner of Coggeshall street. Post.
Southwest corner of Cedar Grove street. Post.
West side, south of Logan street. Post.
West side, north of Wamsutta street 514 feet. Double.
West side, north of Wamsutta street. Post.
West side, south of Wamsutta street 255 feet.
West side, at end of Wall street. Post.
Southeast corner of Pope street.
Northwest corner of Willis street.
West side, south of Campbell street 179 feet.
Northwest corner of Maxfield street.
Northwest corner of Kempton street.
Northeast corner of Elm street.
Northwest corner of School street. Post.
Northwest corner of Madison street.
Northwest corner of Russell street.
Northwest corner of Bedford street.
West side, head of Howland street.
Northeast corner of Potomska street. Post.
West side, south of Potomska street. Post.
Southwest corner of Blackmer street.

ALLEN STREET.

Southeast corner of Bonney street.
Northwest corner of Ward street.
North side, east of Page street 159 feet.

ARCH STREET.

Southwest corner of Union street.

ARNOLD STREET.

South side, west of Orchard street 96 feet. Post.
Southwest corner of Emerson street.
Southeast corner of Atlantic street.

ASH STREET.

Northwest corner of Middle street.
Southwest corner of Morgan street. Double.
Northwest corner of Arnold street.
Northwest corner of Maple street.
Northwest corner of Bedford street. Post.

ASHLAND STREET.

West side, head of Linden street.

ATLANTIC STREET.

West side, north of Arnold street 390 feet. Post.
West side, south of Arnold street 186 feet. Post.

AUSTIN STREET.

Southwest corner of Purchase street. Post.
Southeast corner of State street. Post.
Southeast corner of Cedar street. Post.
South side, on west line Wilson street. Post.
Southwest corner of Ashland street. Post.
Southeast corner of Shawmut avenue. Post.

BAY STREET.

Southeast corner of Ward street. Post.

BEDFORD STREET.

Southwest corner of Fifth street.
Southeast corner of County street.
Southeast corner of Orchard street.

BEACH STREET.

Northwest corner of Kempton street. Post.

BLACKMER STREET.

South side, east of Front street 575 feet. Post.

BONNEY STREET.

Northwest corner of Grinnell street.

Northwest corner of Rockland street. Post.

BORDEN STREET.

Southwest corner of Bay street. Post.

BOWDITCH STREET.

West side, north of Cedar Grove street 73 feet. Post.

West side, south of Cedar Grove street 313 feet. Post.

Southwest corner of Weld street. Post.

CAMPBELL STREET.

South side, west of Chestnut street. Post.

South side, east of Emerson street 205 feet.

Southwest corner of Cypress street. Post.

CANNON STREET.

South side, east of Second street 164 feet.

CEDAR STREET.

Northwest corner of Elm street. Double.

Southwest corner of Kempton street.

West side, north of Mill street 75 feet.

Southwest corner of Hillman street.

Northwest corner of Sycamore street.

Southwest corner of Campbell street.

Southwest corner of Parker street.

CEDAR GROVE STREET.

Southeast corner of Front street. Post.

Southeast corner of Howard street. Post.

South side, west of Bowditch street 383 feet. Post.

Northwest corner of Purchase street. Post.

CENTRE STREET.

South side, east of Water street 85 feet.

CHANCERY STREET.

West side, south of Parker street 176 feet. Post.

Southwest corner of Hillman street.

Southwest corner of Elm street. Post.

West side, north of Arnold street 405 feet. Post.

West side, north of Parker street 263 feet. Post.

CHERRY STREET.

Southeast corner of Seventh street.

CHESTNUT STREET.

Southwest corner of North street.

West side, north of Campbell street 96 feet.

CLARK STREET.

Southwest corner of State street.

CLARK'S POINT ROAD.

West side, east of French avenue 650 feet.

CLINTON STREET.

South side, east of Orchard street 125 feet.

South side, west of Ash street 242½ feet. Post.

COFFIN AVENUE.

Southwest corner of North Purchase street. Post.

South side, opposite Oneko lane. Post.

Southeast corner of Bowditch street. Post.

COFFIN STREET.

North side, east of Water street 262 feet.

COGGESHALL STREET.

Northwest corner of Purchase street. Post.
Southeast corner of County street. Post.
South side, east of Howard street 72 feet. Post.

COMMERCIAL STREET.

North side, east of Front street 82 feet. Post.

COTTAGE STREET.

Southwest corner of Bay street. Post.
Northwest corner of Allen street.
Northwest corner of Bedford street.
Northwest corner of Hawthorn street.
Southwest corner of Arnold street.
Southwest corner of Union street.

COUNTY STREET.

Southwest corner of Austin street. Post.
Northwest corner of Locust street.
Northwest corner of Parker street.
Southwest corner of Smith street.
Southwest corner of Maxfield street.
Southwest corner of North street.
Southwest corner of Middle street. Double.
Southwest corner of Morgan street.
Northwest corner of Union street.
West side, head of School street.
Northwest corner of Madison street.
Southwest corner of Hawthorn street.
Northwest corner of Allen street.
Southwest corner of Grinnell street.
West side, head of South street.
Northwest corner of Rockland street.
West side, north of Division street 71 feet. Post.
Northwest corner of Cove road.
Northwest corner of Winsor street. Post.
Northwest corner of Rivet street. Post.
Southwest corner of Thompson street. Post.
West side, north of Coggeshall street 200 feet. Post.
West side, south of Clark street 234½ feet. Post.
West side, south of Weld street 115 feet. Post.

COURT STREET.

Southwest corner of Orchard street.
South side, head of Cedar street.
South side, head of Emerson street.
South side, front of the Tannery.
South side, head of Jenney street. Post.
South side, east of Reed street 300 feet. Post.
Northeast corner of Ash street. Post.

COVE STREET.

South side, east of Water street 487 feet.
South side, west of Water street 334½ feet. Post.
Southeast corner of County street. Post.

CRAPO STREET.

West side, south of Washington street 343 feet.
West side, south of Rockland street 225 feet.
West side, south of Thompson street. Post.

CYPRESS STREET.

Northwest corner of Hillman street.
Northwest corner of Sycamore street.
Southwest corner of Kempton street. Post.
West side, north of Locust street 263 feet. Post.

DARTMOUTH STREET.

Southeast side, southwest of Orchard street 110 feet.
Southeast side, southwest of Hickory street 125 feet. Post.
East side, south of Thompson street 99 feet. Post.
East side, south of Rockland street 260 feet. Post.

DELANO STREET.

Southwest corner of Water street. Post.
Southwest corner of Acushnet avenue. Post.

DIVISION STREET.

Southeast corner of Second street. Post.
South side, west of County street 527 feet. Post.
South side, east of Crapo street 71½ feet. Post.

DURFEE STREET.

Southwest corner of Cedar street. Post.
Southwest corner of Bulloch avenue. Post.
Southwest corner of Shawmut avenue. Post.

ELM STREET.

Southwest corner of Pleasant street.
Southwest corner of Summer street.

EMERSON STREET.

Southwest corner of Willis street.
Southwest corner of Parker street.

FIFTH STREET.

Southwest corner of School street. Post.
West side, south of Madison street 245 feet.
Northwest corner of Grinnell street.
Northwest corner of Wing street. Post.

FIRST STREET.

Southwest corner of Spring street.
West side, south of School street 109 feet.
West side, south of Howland street 185 feet.
West side, south of South street 255 feet.

FLORENCE STREET.

West side, north of North street 180 feet. Post.
Northwest corner of Mill street. Post.
West side, north of Kempton street 126 feet. Post.
Southwest corner of Morgan street. Post.

FOREST STREET.

South side, west of County street 90 feet.

FOSTER STREET.

Southwest corner of Maxfield street.
Northwest corner of High street.

FOURTH STREET.

West side, north of School street 106 feet.
West side, south of Madison street 210 feet.
East side, foot of Washington street. Post.
Northwest corner of Rockland street.
West side, south of Potomska street 61 feet. Post.

FRANKLIN STREET.

Southwest corner of Pleasant street.
Southwest corner of State street. Post.

FRENCH AVENUE.

West side, south of Clark's Point road 14 feet.

FRONT STREET.

West side, north of Delano street 191 feet. Post.
West side, south of South street 330 feet. Post.
West side, south of Howland street 268 feet. Post.
Northwest corner of lane head of Merrill's wharf.
West side, south of Commercial street 86 feet.
Southwest corner of Centre street.
Southwest corner of Hazard's wharf.
Southeast corner of Wamsutta street. Post.
West side, south of Logan street 383 feet. Post.
West side, south of Washburn street 319 feet.

GRAPE STREET.

South side, west of Lewis street 131 feet. Post.
South side, west of Lewis street 517½ feet. Post.

GRIFFIN STREET.

Southwest corner of Second street.

GRINNELL STREET.

Southwest corner of Orchard street. Post.
South side, east of Crapo street 103 feet.
South side, west of Acushnet avenue 76 feet.

GROVE STREET.

Southwest corner of Anthony street.

HARRISON STREET.

Southwest corner of Hickory street. Post.

HAWTHORN STREET.

Southeast corner of Page street.

South side, east of Tremont street 147 feet. Post.

Southwest corner of Brigham street. Post.

South side, west of Brigham street 301 feet. Post.

HAZARD STREET.

South side, west of State street 140 feet.

Southwest corner of Pleasant street.

HICKS STREET.

South side, east of Acushnet avenue 276 feet. Post.

HIGH STREET.

South side, east of Acushnet avenue 43 feet.

South side, east of County street 177 feet.

HILLMAN STREET.

Southwest corner of Second street.

Southeast corner of Hill street.

HOWLAND STREET.

Northeast corner of Second street.

IRVING COURT.

North end of court.

KATHERINE STREET.

South side, west of County street 160½ feet. Post.

KEMPTON STREET.

Southwest corner of Pleasant street.
South side, head of Hill street.
Southwest corner of Summer street.
Southwest corner of Emerson street.
Southwest corner of Park street.
Southwest corner of Liberty street.
Southeast corner of Jenney street.
South side, west of Hunter street 50 feet. Post.
Southwest corner of Francis street. Post.

KILBURN STREET.

North side, east of Front street 244 feet. Post.
North side, east of Front street 581 feet. Post.

LIBERTY STREET.

West side, south of Kempton street 339 feet.

LINCOLN STREET.

West side, south of Union street 171 feet.

LINDEN STREET.

South side, west of State street $13\frac{1}{2}$ feet. Post.
South side, west of County street 169 feet. Post.
South side, west of Reynolds street $67\frac{1}{2}$ feet. Post.
South side, east of Ashland street $6\frac{1}{2}$ feet. Post.

LINDSEY STREET.

West side, south of Kempton street. Post.
Northwest corner of Morgan street. Post.

LOCUST STREET.

Southwest corner of Chestnut street. Post.
Southeast corner of Richmond street. Post.

LOGAN STREET.

Southwest corner of Acushnet avenue.
South side, east of Acushnet avenue 400 feet.
Southwest corner of Front street.

LOMBARD STREET.

West side, south of Rockland street 209½ feet. Post.

MADISON STREET.

Southwest corner of First street.

MAITLAND STREET.

South side, west of Cedar street 305 feet. Post.

MAXFIELD STREET.

Southwest corner of Second street. Post.

Southeast corner of Chestnut street.

Southeast corner of Spruce street.

Southwest corner of Ash street. Post.

Southwest corner of Pleasant street. Post.

MERRIMAC STREET.

Southwest corner of State street. Post.

MECHANICS LANE.

North side, east of Eighth street 206 feet.

MIDDLE STREET.

Southeast corner of Second street.

Southeast corner of Sixth street. Double.

South side, east of Cedar street 371 feet.

Southeast corner of Chancery street.

MILL STREET.

South side, west of Hill street 191 feet.

South side, west of Ash street 45 feet.

MORGAN STREET.

Southwest corner of Cottage street.

MOSHER STREET.

South side, west of County street. Post.

MOUNT PLEASANT STREET.

Southwest corner of Distributing Reservoir.

West side, north of Durfee street 572 feet.

Northwest corner of Durfee street. Post.

MOUNT VERNON STREET.

South side, west of Mount Pleasant street 359 feet.

NEW BEDFORD BRIDGE.

North side, west from draw 44 feet.

South side, west from draw 11 feet.

NEWTON STREET.

Northwest corner of Elm street. Post.

NORTH STREET.

Southeast corner of Acushnet avenue.

Southwest corner of Foster street.

Southwest corner of Hunter street. Post.

Southeast corner of Second street. Post.

Northwest corner of Pleasant street. Post.

Southeast corner of Newton street. Post.

Southwest corner of Park street. Post.

OAK STREET.

South corner of Harrison street. Post.

OCEAN STREET.

West side, south of Arnold street 184½ feet. Post.

ORCHARD STREET.

West side, head of Madison street.

PALMER STREET.

Northwest corner of Elm street. Post.

PARK PLACE.

South side, west of Sixth street 306 feet.

PARK STREET.

West side, south of Kempton street 339 feet. Post.

Northwest corner of Court street. Post.

West side, south of Union street 165½ feet. Post.

PARKER STREET.

Southwest corner of Summer street.

PEARL STREET.

Southwest corner of Pleasant street. Post.

PENNIMAN STREET.

South side, west of State street 220 feet.

PINE STREET.

Northwest corner of Cross street.

PLEASANT STREET.

Southwest corner of Market street.

West side, north of William street. Post.

Northwest corner of Pope street.

Northwest corner of Austin street.

Southwest corner of Linden street.

Southwest corner of Weld street.

East side, opposite Sycamore street. Post.

POPE STREET.

South side, opposite North Oak street.

POTOMSKA STREET.

200 feet east of Prospect street and 91 feet north of south line of Potomska street. Group of three. Post.

PROSPECT STREET.

West side, south of Howland street 157 feet.

Northwest corner of Grinnell street.

West side, north of Potomska street 324½ feet. Post.

Northwest corner of Potomska street. Post.

PURCHASE STREET.

Northwest corner of Deane street. Post.
West side, opposite Onoko Mill. Post.
East side, foot of Clark street. Post.
West side, head of Logan street.
Northwest corner of Merrimac street. Double.
Northwest corner of Pope street.
Southwest corner of Pearl street. Double.
Southwest corner of Campbell street.
West side, north of Maxfield street 343 feet. Double.
Southwest corner of Hillman street. Double.
Southwest corner of Mill street.
Northwest corner of Middle street.
Northwest corner of Mechanics lane. Post.
Northwest corner of Union street.

REYNOLDS STREET.

Southwest corner of Weld street. Post.
West side, north of Weld street 268 feet. Post.

RIVET STREET.

Southwest corner of Second street.

ROBESON STREET.

Southwest corner of County street. Post.
Southeast corner of Cedar street. Post.
South side, west of Cedar street. Post.
Southwest corner of Ashland street. Post.

ROCK STREET.

Southwest corner of Washburn street. Post.

ROCKLAND STREET.

Southeast corner of Hall street. Post.
South side, west of Orchard street 13 feet. Post.
Southwest corner of Lombard street. Post.

ROUNDS STREET.

Northwest corner of Elm street. Post.

RUSSELL STREET.

South side, east of Fifth street 92 feet.

SECOND STREET.

Northwest corner of Mill street.

West side, south of Elm street 52 feet. Post.

West side, south of Spring street 74 feet.

Northwest corner of Coffin street.

West side, at head of Morgan's lane. Post.

West side, north of Grinnell street 61 feet.

West side, north of Potomska street 232 feet. Post.

West side, north of Potomska street 122 feet. Post.

West side, south of Blackmer street. Post.

SEVENTH STREET.

West side, north of Madison street 50 feet.

Southwest corner of Union street. Post.

SHERMAN STREET.

South side, west of County street 314 feet.

SIXTH STREET.

Southwest corner of William street.

Southwest corner of School street.

Northwest corner of Madison street.

Southwest corner of Russell street.

Northwest corner of Wing street.

West side, north of Grinnell street 194 feet.

SMITH STREET.

Southwest corner of Chestnut street. Double.

Southeast corner of Spruce street. Double.

Southeast corner of Emerson street.

South side, west of Emerson street 404 feet.

SOUTH STREET.

Southwest corner of Acushnet avenue.

Southwest corner of Second street.

Southwest corner of Prospect street.

SPRING STREET.

Southwest corner of Seventh street.

Southeast corner of Fifth street.

Southeast corner of Acushnet avenue. Post.

STATE STREET.

Northwest corner of Sycamore street.

Southwest corner of Pearl street.

SUMMER STREET.

Southwest corner of Willis street.

Northwest corner of Hillman street.

Northwest corner of North street.

SYCAMORE STREET.

Southwest corner of Thomas street.

Southwest corner of Summer street.

South side, west of Ash street 68 feet.

TABER'S WHARF.

South side, north of Union street 36 feet.

THOMAS STREET.

Northwest corner of Hillman street.

THOMPSON STREET.

South side, east of Hall street. Post.

TREMONT STREET.

West side, south of Arnold street 287 feet.

Southwest corner of Union street. Post.

UNION STREET.

Southwest corner of Water street. Double.

Southeast corner of Second street.

Southwest corner of Acushnet avenue. Double.

Southwest corner of Sixth street. Double.

South side, west of Park street 344 feet. Post.

WALDEN STREET.

Southwest corner of Maxfield street.

WALL STREET.

South side, east of Acushnet avenue 165 feet.

WALNUT STREET.

Northwest corner of Front street. Post.

Southwest corner of Second street.

Southeast corner of Fourth street. Double.

Southwest corner of Seventh street. Post.

WAMSUTTA STREET.

South side, east of Acushnet avenue 285 feet. Double.

South side, east of Front street. Post.

South side, east of Front street. Post.

WASHBURN STREET.

Southeast corner of Acushnet avenue.

South side, west of North Front street 228 feet.

WASHINGTON STREET.

Southeast corner of Crapo street.

South side, west of Orchard street 102 feet.

Southeast corner of Dartmouth street.

WATER STREET.

Southwest corner of Hillman street.

Southeast corner of North street. Post.

West side, south of North street 258 feet.

Northwest corner of Middle street. Double.

Southwest corner of Elm street.

West side, north of Centre street 46 feet.

West side, north of School street 22 feet.

Northwest corner of Walnut street.

Northeast corner of City wharf.

Northwest corner of Coffin street.

West side, head of Leonard street. Double.

Northwest corner of Howland street.

Northwest corner of Grinnell street.
 Northwest corner of South street.
 West side, north of Potomska street 31 feet.
 Northwest corner of Rivet street.
 Southwest corner of Blackmer street.
 Southwest corner of Delano street.
 West side, south of Division street 285 feet.
 Southwest corner of Cove street.
 West side, head of Pine street. Post.

WELD STREET.

Southwest corner of State street. Post.

WILLIAM STREET.

Southwest corner of Eighth street.
 Southeast corner of Acushnet avenue.
 Southwest corner of Bethel street.

WILLIS STREET.

Southwest corner of State street.
 South side, east of Willis court 42½ feet. Post.
 Southwest corner of Cypress street. Post.
 South side, west of Cedar street 200 feet.
 Southeast corner of Pleasant street. Post.

WING STREET.

Southwest corner of Fourth street.

WINSOR STREET.

South side, west of County street 336 feet. Post.

Total set in 1887,	37	
Total removed in 1887,	16	
To be added,		21
Total laid previous to 1887,		388
Total now in use,		<hr/> 409

Location of Reservoirs.

Durfee street, southeast corner of Shawmut avenue.

Linden street, northeast corner of Ashland.

Franklin street, southwest corner of State.

Willis street, northeast corner of State.

Campbell street, west side of Purchase.

Smith street, southeast corner of Cypress.

Pleasant street, between Maxfield and Sycamore.

County street, southeast corner of Maxfield.

Pleasant street, southwest corner of North.

Chestnut street, between Mill and North.

Mill street, southwest corner of Purchase.

Kempton street, between Cypress and Cedar.

High street, near northeast corner of Foster.

Middle street, near southeast corner of Purchase.

Middle street, west of Grammar school.

County street, front of M. E. Church.

North Second street, northwest corner of William.

City Hall square, west of hall.

Court street, near head of Orchard.

Union street, southwest corner of County.

Union street, southeast corner of Fourth.

School street, northwest corner of Fourth.

South Second street, northwest corner of Walnut.

South Sixth street, northwest corner of Walnut.

Orchard street, east side, below Hawthorn.

Russell street, between County and South Sixth.

Acushnet avenue, southeast corner of Cannon street.

Bedford street, southeast corner of Fifth.

South Sixth street, southwest corner of Wing.

Acushnet avenue, southeast corner of Grinnell street.

Washington street, northeast corner of Crapo.

INVENTORY OF CITY PROPERTY

IN POSSESSION OF THE FIRE DEPARTMENT
AND IN USE, JANUARY 1, 1888.

BUILDINGS, APPARATUS, ETC.

6 brick engine-houses.	36 door keys.
1 wooden engine-house.	15 tables.
8 steam fire engines (2 old.)	13 mirrors.
1 hand fire engine.	14 bedsteads.
9 horse hose carriages.	15 mattresses.
3 sleigh hose reels.	27 pillows.
1 hand hose carriage.	51 pillow-cases.
2 hook and ladder trucks (1 old.)	42 sheets.
11,800 feet $2\frac{1}{2}$ -inch cotton hose.	28 blankets.
21 horses.	15 towels.
250 feet hand hose.	15 bedquilts.
10 pairs double harnesses.	11 bedspreads.
9 single harnesses and 1 lead.	19 carpets.
33 horse blankets.	7 clocks.
8 horse brushes.	136 tower ropes.
8 curry combs.	100 feet hose rope.
7 mane brushes.	4 suction hose ropes.
5 cards.	1 spare hook and ladder pole.
13 whips.	167 firemen's badges.
6 grain chests.	2 powder-house keys, bag and fuse.
4 feed troughs.	1 rope for fire hooks.
13 pitchforks.	6 dust pans.
29 pails.	6 dust brushes.
20 brooms.	5 floor brushes.
3 hoes.	5 scrub brushes.
1 rake.	2 tube brushes.
20 shovels.	7 mops.
13 poker.	7 feather dusters.
18 axes.	32 baskets.
3 hatchets.	4 wood saws.
8 iron bars.	4 saw horses.
19 halters.	4 grate patterns.
6 sets lead bars.	7 step ladders.
5 leather buckets.	11 settees.
130 chairs.	4 American ensigns.
3 bureaus.	41 lanterns.
4 sets hay hooks and blocks.	5 stoves and pipes.

2 spare engine poles.	2 copper tanks (1 old.)
1 leather cover for Franklin Hose.	4 watering pots.
5 coal hods.	12 grain measures.
11 brass hydrant connections.	1 box castile soap.
15 iron hydrant wrenches.	7 chamois skins.
28 discharge pipes.	5 lbs. sponge.
65 discharge nozzles.	7 wagons with poles and shafts.
59 leading hose wrenches.	65 coal baskets.
38 engine wrenches.	6 sets blocks and falls.
6 jackscrows and bars.	9 hammers.
6 work benches.	7 wagon jacks.
7 iron vises.	28 ladders, from 10 to 65 feet.
11 oil cans.	8 fire hooks and pikes.
10 oil feeders.	2 tube scrapers.
4 waste boxes.	8 ropes (hook and ladder.)
6 connections, 2½ to 4½.	3 stands.
1 connection, 2 to 2½.	12 spittoons.
18 pump leathers, extra.	2 wardrobes.
5 hose troughs.	1 window brush.
13 hose brushes.	1 water cooler.
5 pipes for hand hose.	3 soap dishes.
14 wrench belts.	3 mugs.
10 wheel fenders.	6 cold chisels.
1 iron kettle.	4 stable gongs.

SUPPLIES AND MATERIAL ON HAND.

1 waste box.	1 set badge dies.
4 pump leathers, extra.	2 quires emery paper.
2 wheel fenders.	3 glass tubes—water gauge.
5 extra wheels for engines.	20 lbs. rock salt.
1 gate wrench.	1 suction strainer.
11 taps.	1 engine spring, No. 3.
4 spare grates. Nos. 1, 2, 4, 5.	2 engine springs, No. 2.
1 box fire extinguisher chemicals.	1 tunnel.
9 fire extinguishers.	1 two-quart measure.
1 set horse slings.	4 tons of hay.
1 set sleigh runners.	2½ tons of straw.
6 safety valve springs.	30 bushels of grain.
5 new couplings, full set.	4 P. S. ropes.
5 new couplings, half set.	1 spare steam gauge.
1 grindstone.	1 set tube expanders.
1 draw shaver.	1 set repairing tools and chest.
1 jack plane.	1 set relief valve connections.
1 pair rivet cutters.	15 lbs. washer leather.
1 lot patterns for doors, etc.	3 boxes disinfectant.
6 lbs. rubber packing.	1 sledge hammer.
1 water test gauge.	1 hand saw.
2 iron tool boxes.	1 washer cutter.
2 engine heaters.	1 bitstock.
35 lbs. cotton waste.	1 pair compasses.
3 sets flue tools.	5 brass gauge cocks.
2 cords wood.	12 new copper tubes.
20 lbs. cordage.	24 copper rings for leading hose.
3 bars harness soap.	1 gate for steamer No. 2.
10 valve springs.	1 lb. hemp packing.

13 galls. petroleum oil, and can.	5 pounds rotten stone.
10 galls. sperm oil, and can.	5 spring locks, 30 keys.
7 galls. neatsfoot oil, and can.	1 set weighing scales.
119 feet 4½-inch suction, good.	3 tube brushes.
10 sets new hose coupling.	6 scrub brushes.
1 spare axle.	50 pounds common soap.
1 machine to put couplings on.	8 boxes Green Mountain ointment.
25 tons Cannel coal.	24 dozen candles.
15 tons coal for engine-house.	1 carpet sweeper.

ENGINEERS' OFFICE FURNITURE.

1 carpet.	1 city map.
1 desk.	6 towels.
1 book-case.	1 comb and brush.
1 copying press.	1 broom.
1 table.	1 dust pan and brush.
1 clock.	1 carpet sweeper.
6 chairs and cushions.	1 small feather duster.
1 swivel chair.	1 stove, with copper pipe.
marble-top sink.	2 pieces oil cloth.
1 gas drop light.	1 coal hod and shovel.
14 framed pictures.	2 foot mats.
1 looking-glass.	2 spittoons.

FIRE ALARM TELEGRAPH AND SUPPLIES.

51 alarm boxes.	2 extension ladders.
24 miles of line wire.	2 sets steel letters.
9 bell strikers.	1 small pipe wrench.
8 15-inch gongs.	5 tin oiler pans, for bell strikers.
1 10-inch gong.	2 shovels.
11 7-inch gongs.	1 posthole spoon.
3 repeaters.	2 paint brushes.
2 switch boards.	1 life line.
1 repeater switch.	1 soldering kettle.
1 battery rack.	1 iron melting pot for zinc.
150 cups in battery.	1 plaster hook.
1 hydrometer.	1 iron ladle.
1 rubber syringe.	1 iron mould for zinc.
1 thermometer.	1 bull's eye lantern.
3 taper gongs.	13 battery cups, spare.
13 church door keys.	1829 lbs. sulphate of copper.
320 alarm box keys.	250 battery zines.
1 copper hand basin.	20 hangers for zinc.
5 screw-drivers.	1331 lbs. iron wire.
5 pairs cutting pliers.	45 glass insulators.
1 axe.	12 hook insulators.
1 chemical extinguisher.	35 iron brackets.
2 vises and straps.	2 spare poles.
2 tool belts.	11 alarm box hinges.
1 pair pole climbers.	1 alarm box magnet.
3 gimlets.	1 15-inch gong magnet.
1 bit and stock.	6 old leather fire buckets, date 1829.
2 hammers.	3 paper alarm registers.
1 monkey wrench.	3 Pierce & Griswold registers.
2 iron bars.	1 iron tackle block for bell striker.

PROTECTING SOCIETY.

20 rubber covers, 8 x 12.
5 rubber covers, 8 x 15.
6 squilges.
4 ladders.
1 piano harness.

175 cover hooks.
2 cartridge boxes.
2 steel hammers.
2 screw-drivers and sheaths.

REPAIR SHOP.

1 brick shop.
1 portable forge.
1 set pipe dies and taps, from $\frac{1}{4}$ to 1 inch.
2 pipe cutters.
1 bench and vise.
1 set pipe dies and taps, from $1\frac{1}{4}$ in. to 2 inches.
8 bolt taps.
100 lbs. wrenches.
2 sets tube expanders.
6 files.

3 gross screws.
1 set tap wrenches.
1 large monkey wrench.
1 small monkey wrench.
1 hammer.
1 Stillson pipe wrench, 24-inch.
1 Stillson pipe wrench, 12-inch.
1 Stillson pipe wrench, 8-inch.
150 lbs. nails.
3 cold chisels.
12 file handles.

1888—CITY DOCUMENT No. 6.

Annual Report

OF THE

SCHOOL COMMITTEE

OF THE

CITY OF NEW BEDFORD,

For the Year 1887.

NEW BEDFORD:

E. ANTHONY & SONS, CITY PRINTERS.

1888.

REPORT.

By direction of the School Committee, I submit to our fellow-citizens the following Report for the year 1887.

STATISTICS OF THE SCHOOLS.

I. POPULATION.

The population of the city (census of 1885) was	33,393
School census, May, 1883, (children between 5 and 15 years of age,)	5,131

The whole number of different pupils enrolled during the year has been 5050. The attendance during the term has been 4492, against 4586 last year. Sickness has largely influenced the enrollment and attendance during the past term, consequently the averages will not compare favorably with former years.

II. SCHOOLS.

High,	1
Grammar,	4
Primary,	13
Country,	6
Mill,	2
Farm,	1
Total,	<hr/> 27

III. SCHOOL BUILDINGS.

Number of buildings owned by the city,	25
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ROOMS USED FOR SCHOOL PURPOSES.

High,	15
Grammar,	41
Primary,	54
Country,	10
Mill,	3
Drawing,	1
Farm,	1
Total,	125

IV. TEACHERS.

High school,	10
Grammar schools,	40
Primary schools,	56
Mill schools,	3
Country schools,	10
Evening schools,	24
Farm school,	1
Special teachers,	8
Total,	152

V. PUPILS. (FALL TERM, 1887.)

WHOLE NUMBER OF ALL AGES IN

	GIRLS.	BOYS.	AGGREGATES.
High school,	233	131	364
Grammar schools,	795	775	1,570
Primary schools,	1,053	1,098	2,151
Country schools,	150	155	305
Mill schools,			90
Farm school,			12
Total,			4,492

Against a total of 4586 last year.

NUMBER OVER FIFTEEN YEARS OF AGE.

High school,	315
Fifth street school,	26
Middle street school,	23

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Parker street school,	31
Acushnet avenue school,	1
Acushnet school,	2
Plainville school,	3
Rockdale school,	1
North school,	2
Mill school,	2
Total,	<hr/> 406

Number under five years of age, none.

INCREASE OR DECREASE IN THE SEVERAL DEPARTMENTS.

High school, (increase,)	16	
Grammar schools, (decrease,)		12
Primary schools, (decrease,)		21
Country schools, (increase,)	9	
Mill schools, (decrease,)		80
Farm school, (decrease,)		6
	<hr/> 25	<hr/> 119

Aggregate decrease, 94.

AVERAGE NUMBER BELONGING.

High school,	351
Mill schools,	90

Grammar schools :

Fifth street,	432
Middle street,	367
Parker street,	491
Thompson street,	157

Total for grammar schools,	1,447
Against a total of 1424 last year.	

Primary schools :

Acushnet avenue,	236
Arnold street,	28
Cedar street,	180
Cedar Grove street,	116
Dartmouth street,	128
Fourth street,	187
Grove,	162
Kempton street,	159
Linden street,	99

Merrimac street,	90
Maxfield street,	125
Thompson street,	179
William street,	149

Total for primary schools,	1,838
Against a total of 1872 last year.	

Country schools :

Acushnet,	83
North,	28
Rockdale,	37
Plainville,	21
Cannonville,	83
Clark's Point,	16

Total for country schools,	268
Against a total of 244 last year.	

AVERAGE ATTENDANCE.

High school,	337
Mill schools,	47

Grammar schools :

Fifth street,	415
Middle street,	348
Parker street,	462
Thompson street,	149

Total for grammar schools,	1,374
Against 1338 last year.	

Primary schools :

Acushnet avenue,	221
Arnold street,	27
Cedar street,	167
Cedar Grove street,	106
Dartmouth street,	121
Fourth street,	173
Grove,	149
Kempton street,	148
Linden street,	92
Merrimac street,	84
Maxfield street,	117

Thompson street,	160
William street,	136
Total for primary schools,	1,701
Against 1748 last year.	

Country schools :

Acushnet,	79
Cannonville,	75
Clark's Point,	9
North,	27
Plainville,	19
Rockdale,	32
Total for country schools,	241
Against 219 last year.	

PER CENT. OF ATTENDANCE.

High school,	.96
Grammar schools,	.95
Primary schools,	.92
Country schools,	.84

REGULARITY OF ATTENDANCE.

Whole number of Absences and Tardinesses (Half-Days) during the Fall Term, Thirteen weeks in Length, in the

	ABSENCES.	TARDINESSES.
High school,	[days,] 872	216
Grammar schools :		
Fifth street,	2,146	339
Middle street,	2,202	227
Parker street,	3,474	581
Thompson street,	1,075	128
Primary schools :		
Acushnet avenue,	1,490	171
Arnold street,	122	27
Cedar street,	1,463	78
Cedar Grove street,	1,105	58
Dartmouth street,	830	111
Fourth street,	1,499	221
Grove,	1,593	289
Kempton street,	1,333	146

Linden street,	888	121
Merrimac street,	681	59
Maxfield street,	979	159
Thompson street,	2,146	253
William street,	1,524	223

Country schools :

Acushnet,	626	72
Cannonville,	956	94
Clark's Point,	286	53
North,	142	13
Plainville,	462	95
Rockdale,	686	39

THE GRADED SCHOOLS.

Number in the several Grades.

High school :

Post graduates,	11
First grade,	55
Second grade,	73
Third grade,	97
Fourth grade,	128

Grammar schools :

Fifth grade,	176
Sixth grade,	266
Seventh grade,	340
Eighth grade,	353
Ninth grade,	435

Primary schools :

Tenth grade,	480
Eleventh grade,	476
Twelfth grade,	524
Thirteenth grade,	671

COST OF INSTRUCTION PER SCHOLAR.

The statistics of this table, in conformity to the statute, include hire of teachers, fuel, care of school-houses, books furnished by the city, and supplies in general, except those from the income of the Howland fund. The basis

of computation is the average number belonging to each school. The term "care of school-houses" includes only the salaries of janitors.

The cost of maintenance of each scholar in the High school for the year has been	\$39.72
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Grammar schools :

Fifth street,	23.91
Middle street,	24.08
Parker street,	21.92
Thompson street,	21.71

Primary schools :

Acushnet avenue,	17.24
Arnold street,	25.22
Cedar street,	17.62
Cedar Grove street,	21.25
Dartmouth street,	19.80
Fourth street,	16.69
Grove,	17.24
Kempton street,	15.76
Linden street,	25.01
Merrimac street,	27.27
Maxfield street,	21.64
Thompson street,	14.33
William street,	16.45

Country schools :

Acushnet,	23.06
Cannonville,	14.89
Clark's Point,	44.68
North,	22.48
Plainville,	22.60
Rockdale,	15.77

The average cost of maintenance of a grammar scholar has been	\$22.90
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Primary scholar,	19.65
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Of a scholar in a country school,	23.91
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Of a scholar in the Mill school,	31.24
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No just comparisons can be instituted, based on this table, as to the degree of economy exercised in the different schools ; the circumstances of the various schools are

so different. Some schools have a much smaller number of scholars to a teacher than others, and this circumstance greatly increases the comparative cost per scholar. Still again, the methods of heating some of the school-houses involve a much greater expense for fuel and oversight than is the case with others, with similar results as to the comparative cost.

Respectfully submitted.

ISAAC B. TOMPKINS, JR.,

Secretary.

EXPENDITURES.

The Committee on Expenditures herewith submit their Report for the year 1887, as follows :

RECEIPTS.

From annual and special appropriations :

For Teachers' salaries,	\$75,475.00	
Incidentals, (including text-books,)	23,500.00	
Repairs of school buildings,	4,000.00	
	<hr/>	
	\$102,975.00	
Dog fund,	1,079.51	\$104,054.51

PAYMENTS.

For Teachers' salaries,	\$75,473.10	
Incidentals, (including text-books,)	23,473.73	
Repairs of school buildings,	3,750.93	
Rent of superintendent's office, pay of janitor for same, school furniture and rifles for High school,	1,079.51	103,777.27
		<hr/>
Balance unexpended,		\$277.24

The sum of \$277.18 has been received during the year from non-resident pupils and paid to the City Treasurer, who has placed the same to the credit of unappropriated funds.

For the committee.

WM. H. MATHEWS, Chairman.

REPORT OF THE COMMITTEE ON THE SYLVIA ANN HOWLAND EDUCATIONAL FUND.

Balance on hand, Jan. 1, 1887,	\$799.89
Interest for the year 1887,	3,000.00
Making a total credit of	<u>\$3,799.89</u>
Expenditures for the year 1887,	3,039.69
Leaving a balance on hand, Jan. 1, 1888, of	<u>\$760.20</u>

The number of books for supplementary reading and reference furnished the several schools during the year 1887, with the aggregate cost of the same, is as follows :

	No. of Copies.	Cost.
Acushnet avenue school,	255	\$82.56
Arnold street “		
Acushnet “	2	1.65
Cedar Grove street “	103	30.05
Cannonville “	2	1.65
Cedar street “	58	22.30
Clark's Point “	5	19.65
Dartmouth street “	75	20.05
Fifth street “	90	50.60
Fourth street “	138	45.55
Grove “	93	33.55
High “	334	203.00
Kempton street “	3	2.05
Linden street “	95	26.19
Middle street “	209	126.57
Maxfield street “	45	14.65
Merrimac street “	124	37.39
Mill, north “	16	4.90
Mill, south “	13	5.44
North “	61	30.00
Parker street “	30	15.00
Rockdale “	18	7.65
Thompson street “	532	226.59
William street “	140	46.45
	<u>2441</u>	<u>\$1,053.49</u>

The number of books on hand in the several schools, Dec. 31, 1887, supplied from the income, is as follows :

Acushnet avenue school,	2,454
Arnold street “	251
Acushnet “	549
Cedar Grove street “	736
Cedar street “	1,043
Cannonville “	250
Clark's Point “	127
Dartmouth street “	809
Fifth street “	3,670
Fourth street “	1,167
Grove “	665
High “	5,035
Kempton street “	792
Linden street “	752
Middle street “	2,824
Maxfield street “	776
Merrimac street “	989
Mill, north “	766
Mill, south “	39
North “	185
Parker street “	3,323
Rockdale “	238
Thompson street “	1,024
William street “	759
Total,	<hr/> 29,223

The committee, during the past year, has responded generously to the requests of the teachers for supplementary reading and other aids in teaching. Besides the usual supply of books, a new Chickering grand piano for the High school, and two organs, one each for the Parker Street Grammar school and the Cedar Street Primary school, have been purchased. These, together with the philosophical, chemical, object and miscellaneous supplies, constitute the disbursements for the year.

That the income of the fund is sufficient to meet the ordinary and reasonable demands of the schools is, we think, evident. The committee, therefore, has not hesi-

tated to recommend appropriations for all objects, requested by the teachers, which seemed desirable as auxiliaries to the prescribed studies.

On the recommendation of the Truant School Committee, the Board this year (1887) voted to discontinue the industrial training instituted in the Truant school about two years ago, because the results attained did not warrant the expense incurred.

The abandonment of the study will not, we trust, abate the interest in this feature of school work heretofore manifested by the members of the Board. The failure to attain the success confidently expected does not, in our opinion, reflect in the least on the usefulness and practicability of the measure. The selection of this school for the experiment, was, perhaps, unfortunate; had it been tried elsewhere, better results would undoubtedly have been realized. Our faith in the propriety of associating manual and mental training in the public schools still abides. To the equipment of an experimental school a portion of the income of the Howland fund could very properly be applied, but we fear the fruition of our hopes in this direction is not near.

Our schools are now overloaded with studies; too many things are taught, too many things are indifferently learned, and to introduce additional burdens would, very justly, deserve censure. No, ere the consummation of our hopes can be realized, the pruning knife must be freely used; the curriculum of our schools must be changed; useless details must be lopped off; school garbage must be swept away.

In submitting this Report, your committee has no desire or intent to criticise the *regime* of the schools. Its aim has been simply to give expression to its views as to what special object, other than those now recognized, is

best suited to receive aid from the income of the Howland fund.

For the committee.

J. HOWLAND, JR., Chairman.

DETAILED STATEMENT

OF THE OUTLAY BY THE SCHOOL COMMITTEE FROM THE
INCOME OF THE SYLVIA ANN HOWLAND FUND, FROM
JANUARY 1, 1887, TO JANUARY 1, 1888.

BOOKS AND PERIODICALS.

Ambrose, F. M.,	\$11.67	
Appleton, D. & Co.,	8.00	
Boston School Supply Co.,	153.94	
Butler, E. H. & Co.,	6.67	
Cowperthwait & Co.,	24.00	
Educational Publishing Co.,	24.75	
Ginn & Company,	201.80	
Hutchinson, H. S. & Co.,	166.71	
Houghton, Mifflin & Co.,	65.50	
Hume, Harrison,	29.63	
Heath, D. C. & Co.,	27.08	
Harrington, H. F.,	5.00	
Kellogg, E. L. & Co.,	15.75	
Knowlton, D. H. & Co.,	4.40	
Lawton, James M. Jr.,	27.93	
Mason, Perry & Co.,	43.06	
Martin, Garrison & Co.,	18.00	
MacCoun, Townsend,	4.80	
Prang Educational Co.,	12.00	
Stockin, A. C.,	68.98	
Schoenhof, Carl,	19.21	
Whiting, Chas. H.,	29.38	
Ware, Wm. & Co.,	12.50	
Washburn, F. A.,	5.00	\$985.76

MUSIC DEPARTMENT.

Boden, E. Jr., organ,	\$75.00	
Eaton, J. Jr., expenses selecting piano,	13.50	
Lawton, James M. Jr., Chickering piano,	688.00	
Mathews, Wm. H., expenses selecting piano,	10.60	
Peirce, Geo., care of pianos and organs, and 1 organ,	351.25	
Silver, Rogers & Co., singing books,	117.17	1,255.52

APPARATUS.

Gage, Alfred P., philosophical apparatus,	\$14.50	
Greeley, E. S. & Co., chemical apparatus,	2.34	
Hadley, Frank R., plates,	4.40	
Queen, Jas. W. & Co., excelsior lantern,	54.00	
Ritchie, E. S. & Sons, apparatus,	34.92	
Sawyer, Stephen P., one set copper measures,	4.00	
Silver, Rogers & Co., fraction boxes,	20.00	
Sullings, Kingman & Co., five pairs scissors,	2.35	
Whiting, E. B. & Co., sheet,	1.25	137.76

BINDING.

Kane, D. J. & Bro.,	37.75
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SEWING DEPARTMENT.

Anthony, E. & Sons, advertising exhibition,	\$2.50	
Bliss & Nye, sewing basket,	2.75	
Kirby, Wm. A., use of tables,	3.90	
Knowles, Joseph F., cotton cloth,	2.61	
Mercury Publishing Co., advertising exhibition,	2.50	
Paine, N. L., services at exhibition,	8.00	
Piper, A. D., services at exhibition,	2.00	
Whiting, E. B. & Co., sewing materials,	5.05	29.31

PRIMARY DEPARTMENT.

Interstate Publishing Co., pictures,	\$5.00	
Lothrop, D. & Co., pictures,	5.00	
Mercury Publishing Co., reward cards,	7.00	
Perry, Geo. S., object supplies,	255.44	
Paine, N. L., delivering supplies,	1.25	
Russell, David J., blackboard,	2.34	276.03

MISCELLANEOUS.

Appleton, D. & Co., charts,	\$25.40
Almy & Hitch, labor on maps,	4.50
Allen's Express Co., express,	2.60
Anthony, E. & Sons, Standard,	6.00
Boston School Supply Co., maps,	33.75
Cyclostyle Co., cyclostyles and paper,	30.00
Dews, Edwin, covering paper,	2.17
Fowler, B. A., anatomical study,	35.00
Gammons, Lottie M., covering books, &c.,	21.05
Gray, Chas. A., freight and carting,	4.20
Heath, D. C. & Co., outline maps and charts,	20.87

Hatch & Co., express,	15.10	
Hutchinson, H. S. & Co., book paper and cutting,	4.43	
Merrick, Emma J., covering books,	15.55	
Perry, Geo. S., covering paper, &c.,	43.20	
Paine, Nathan L., delivering books,	6.00	
Richards, Geo. D., measures and yard-sticks,	2.00	
Sherman, Annie, covering books,	12.90	
Sherman, Ruth S., covering books,	11.60	
Topham, R. R., marking books,	1.75	
Whiting, Chas. H., reading chart,	3.34	
Wing, Charles F., curtain fixtures, &c.,	3.65	
White, James T. & Co., manikin,	12.50	317.56
		<u>\$3,039.69</u>

TEXT-BOOKS.

The amount appropriated for the purchase of books and supplies for the past year was \$3500.

The cost of books and supplies furnished the several schools in detail is as follows :

		Books.	Supplies.	Total.
High	school,	\$116.79	\$315.52	\$432.31
Fifth street	"	241.23	261.53	502.76
Middle street	"	241.83	183.47	425.30
Parker street	"	503.14	249.70	752.84
Thompson street	"	60.30	120.45	180.75
Linden street	"	13.95	15.70	29.65
Merrimac street	"	8.50	17.25	25.75
Maxfield street	"	9.75	22.86	32.61
Cedar street	"	10.50	21.72	32.22
Acushnet avenue	"	11.97	60.09	72.06
Kempton street	"	21.84	16.91	38.75
William street	"	17.65	13.18	30.83
Fourth street	"	14.75	22.99	37.74
Dartmouth street	"	17.60	30.89	48.49
Grove	"	11.70	12.37	24.07
Cedar Grove street	"	6.50	26.84	33.34
Arnold street	"		.79	.79
North Mill	"	16.80	5.88	22.68
South Mill	"	18.14	5.80	23.94
Acushnet	"	24.49	24.67	49.16
Cannonville	"	7.42	16.39	23.81
North	"	12.68	13.46	26.14

	Books.	Supplies.	Total.
Clark's Point school,	8.40	22.40	30.80
Rockdale "	13.94	12.74	26.68
Plainville "	23.74	10.72	34.46
North Evening "	116.28	33.68	149.96
South Evening "	9.98	17.45	27.43
Central Evening "	28.57	15.05	43.62
Evening Drawing "		77.48	77.48
	<hr/> \$1,588.44	<hr/> \$1,647.98	<hr/> \$3,236.42

The expense incident to furnishing books and supplies has been :

For Express,	\$15.85
Freight,	37.22
Covering books,	29.40
Miscellaneous,	94.97
	<hr/> \$177.44

The only book added is Worcester's School Dictionary.

For the committee.

WILLIAM H. PITMAN,

Chairman.

HIGH SCHOOL — 1887.

The progress of the school during the year now drawing to a close has been, on the whole, very satisfactory. The teachers, without exception, have been thoroughly interested in their work and indefatigable in their efforts to advance the interests intrusted to their care. That their efforts have produced good results, no better proof can be offered than the increased interest of the pupils, especially of those of the three upper grades, in the work of the school.

We have at present 364 pupils. At the corresponding time last year there were 348. The increase in number is less than that of the two years preceding, but when it is understood that in the present fourth grade there are only

128 pupils, while in that of last year there were 149, it will be readily seen that even this slight increase in the total number is in itself an evidence of greater interest in the work, and, consequently, of added power on the part of the school to retain its older pupils. The conditions of admission have not been changed, and the reasons for the falling off in that direction lie wholly outside of the school.

The number of post-graduates and specials is larger this year than at any previous time, and the presence of these pupils, studying with an object in view, has a most salutary effect upon the classes with which they are connected. This is especially true in the scientific department. I am of the opinion that this feature ought to be developed as much as is practicable, and it affords me pleasure to say that the present plan of the Master of the Swain Free School is materially assisting us in this direction. He refers all applicants for elementary work to our school, so that the classes there may pursue more advanced work without being hampered by the presence of those untrained in the elements of the subjects they would pursue. The idea is a sound one, and will strengthen both schools.

In the latter part of February Miss Carrie E. Hatch, a faithful and valued teacher of the fourth grade, was compelled by severe illness to give up her work. Miss Eloise A. Hafford was engaged as a temporary substitute, and remained until the end of the term in April. In this latter month Miss Hatch resigned her position, and Miss Emma K. Shaw was elected to fill the vacancy. The committee is to be congratulated upon its choice, for in Miss Shaw we have an enthusiastic, thorough teacher, and a decided acquisition to the teaching force of the school.

INSTRUCTION IN MILITARY SCIENCE.

In the year 1881 some of the boys of the school organized and equipped a military company, called the High School Cadets. Though its membership was confined to pupils actually in the school, yet it was in nearly all respects an independent organization, making its own rules and regulations, managing its own finances, and drilling at such times, out of school hours, as it saw fit.

The company was allowed the use of an ante-room in the school building for an armory, and of one of the classrooms for business meetings, but, so far as I can learn, it was never officially recognized by the School Committee.

The City Council, however, in the year 1883, appointed a military instructor for the High school, and under his direction the company not only maintained its reputation for excellent drill, but became more proficient, and was a source of pride to our citizens generally.

Early this year the High School Committee received several complaints from parents concerning the amount of time, out of school hours, required for drill. A careful investigation of the matter resulted in a recommendation to the Board that instruction in military drill be established as part of the regular course of study, according to the law of the State in such cases made and provided. The recommendation was adopted, and the High School Committee empowered to adopt such rules and regulations to effect the purpose as in its judgment seemed expedient.

As it was near the close of the school year when the preliminary arrangements were completed, it was deemed best, for the time, simply to designate the members of the old company of Cadets as the class in military science. Suitable arms and equipments were purchased, and the company was reorganized under the new order. John K. McAfee, the former military instructor, was added to the

corps of teachers of the school, as teacher of military science.

The plan of the committee includes all the boys, not physically incapacitated, in drill, without arms, one hour each week. The boys of the fourth grade constitute one class, drilling every Thursday forenoon, and those of the three other grades a second class drilling every Friday. The Cadets are drilled with arms every Friday afternoon. This arrangement is now in full operation, and working very smoothly. The spirit in which the boys have taken up this study is really very gratifying.

THE JONATHAN BOURNE PRIZE FUND.

At the regular monthly meeting of the Board in July the following communication was received and read :

To the School Committee of the City of New Bedford :

GENTLEMEN, — I herewith inclose you my check for one thousand dollars, with a request that the amount may be so placed in the City Treasury as to constitute a permanent Fund, the income of which shall be devoted each year to three prizes of the value of \$25, \$20, and \$15 respectively, which shall be open to competition among the scholars of the High school in the study of the English language and its literature, successful competition to depend on, first, uniform good deportment and scholarship in the study throughout the course; and second, superior excellence in an essay to be written at the close of the course.

I would suggest that the trustees of the above Fund be designated to be the Sub-Committee on the High School for the time being, and that they have the management of the details, conditions, etc., under which the prizes shall be given.

Very truly yours,

JONATHAN BOURNE.

NEW BEDFORD, June 28, 1887.

This generous gift was unanimously accepted, and resolutions expressing to the donor the gratitude of the committee, and pledging careful attention to his several wishes and suggestions, were passed. The Fund was named "The

Jonathan Bourne Prize Fund," and the High School Committee was instructed to take such steps as were necessary to carry out the wishes expressed in the communication.

These steps have been taken, and the City Council, by special ordinance, has accepted the amount as a permanent investment, bearing interest at the rate of six per centum per annum, payable on the first day of July of each year.

THE COURSES OF STUDY.

The sub-committee appointed last year to revise the curriculum of the school, for obvious reasons, confined its attention to the studies of the three lower grades. The same sub-committee was reappointed this year to complete the work, but before it began its labors one of its members, our late honored superintendent, was called away. His life-work, so well performed, was ended. It is not necessary that I should here speak of the inestimable value of his service to our schools, or of his peculiar worth as a man. I could but ring the changes on the words so frequently and so fittingly spoken of late to express the high appreciation of his devoted service, and the loving remembrances of his genial friendship. He died, but lives with us yet in the system he so well planned and so thoroughly constructed.

The sub-committee, with the assistance of Mr. Huling, finished the task. Their report is here submitted.

CLASSICAL.

First Year—Class IV.

English, 40.
Algebra, 40.
History, (Greece and Rome,) 20.
Latin, 40.

Second Year—Class III.

English, 40.
Geometry, 40.
Latin, 40.
Greek, 40.

GENERAL.

First Year—Class IV.

English, 40.
Algebra, 40.
History, (General,) 40.

Second Year—Class III.

English, 40.
Geometry, 40.
Latin, 40, or
Physiology, 20, Bookkeeping, 20.

Third Year—Class II.

English, 40.
 Latin, 40.
 French, 40, or
 German, 40.
 Physics, 40, (if needed.)
 Greek, 40, “

Third Year—Class II.

English, 40.
 Physics, 40, (required of the boys.)
 Latin, 40, (optional.)
 French, 40, “
 German, 40, “
 Zoölogy, 20, and Botany, 20, (optional.)

Fourth Year—Class I.

English, 40.
 Latin, 40.
 French, 40, or
 German, 40.
 Physics, 40, (if needed.)
 Greek, 40, “
 Reviews, 40.

Fourth Year—Class I.

English, 40.
 Chemistry, 40, (optional.)
 Latin, 40, “
 French, 40, “
 German, 40, “
 Astronomy, 20, Civil Government,
 20, (optional.)

NOTES.

1. The figures appended show the number of weeks each subject is pursued within the school year.

2. Recitations in the studies named above occur four or five times a week. In addition, lessons in arithmetic, drawing and music are given once a week. There are also exercises in gymnastics for all nearly every day, and in military science for the boys once a week. The work in English includes the writing of compositions and the recitation of choice literary extracts. Lectures are given to all students of Class III upon physiology, with special reference to the effects of stimulants and narcotics.

3. In the Classical Course, the studies will be varied in accordance with the requirements of the college chosen. Only those pupils who are exceptionally strong in intellect and health can completely satisfy the demands of the best colleges in four years; hence, in most cases, a fifth (post-graduate) year of study is recommended.

4. In the General Course, each student is expected to pursue three main studies. A fourth study may be taken, if, in the judgment of the principal, the circumstances warrant such a step. English is a required study throughout the course; algebra, history and geometry are required, each for a single year. In the first year there are no optional studies. In the second year the choice lies between Latin on the one hand, and physiology followed by bookkeeping upon the other. In the third year physics is required of all the boys, and is optional for the girls. Latin, French, German and Zoölogy, followed by botany, are optional for all. In the fourth year all the studies except

English are optional. Latin, French and German, however, if once begun, must be continued two years.

5. An average of 70 per cent. in scholarship is requisite for promotion and graduation.

Mention was made at the beginning of this report of the increased interest manifested by the pupils, and of the good work resulting therefrom. This, evidently, is not attributable wholly to the zeal of the teachers, though I would detract nothing from the importance of that factor, but is due, in large measure, to the improved methods of teaching, and to some of the changes in the course of study.

I propose, therefore, to speak more fully of some of these changes, giving in detail the actual work of the school in certain directions. For this purpose I select the Mathematics, the Sciences, and the English. In doing this I avail myself largely of the material furnished me in reports by Mr. Huling, the principal of the school, and the special teachers in the several departments selected.

MATHEMATICS.

ARITHMETIC.

Arithmetic is taught by weekly lessons to every pupil. The subjects taken up are as follows: In Class IV, Percentage, including Profit and Loss and Commission; in Class III, Simple Interest, Compound Interest, Partial Payments, True Discount and Bank Discount; in Class II, Stocks, Taxes, Insurance, Exchange, Custom House Business, Equation of Payments, Averaging Accounts, Ratio and Proportion; in Class I, the Metric System, Partnership, Alligation, Involution, Evolution, the Progressions and Mensuration.

Ordinarily a lesson is assigned in advance, to be prepared and presented on paper at the recitation. Test examples on the same principles and methods are then given

to the class. Explanations are made and the new subjects developed, as occasion demands. The purpose of the work is to keep the pupils familiar with the processes of arithmetic, and their memories fresh upon the facts of the science which they bring from the Grammar schools, and to supplement individual deficiencies. Especial attention is given to shorter processes when such are available, and purely mental work is encouraged so far as possible.

ALGEBRA.

Algebra is pursued throughout the first year in an elementary form. There is no hurrying to reach a particular limit, but the classes are advanced as their attainments warrant, until the end of the year brings the work to a close. By that time the classes have usually passed through Simultaneous Quadratic Equations, and have taken up Radical Expressions. Some years they have not been able to do so much.

Our classes experience much difficulty in passing from the arithmetic of the Grammar schools to the beginning of algebra in the High school, and the reason for this difficulty is a matter of some perplexity. In the class-room, fully one-half the time is given to explanations and illustrative work, and a number of the examples for the next day, or others exactly like them, are performed before the whole class on the blackboard, by pupils under the direction of the teacher. Notwithstanding this, to a portion of the class the work is a burden, and for many weeks a series of failures. Every effort is made by the teachers to reduce the friction; in particular, lessons are made so short that, during the early weeks, the whole class creeps rather than walks, but the difficulty is slow to yield. There is between the concrete arithmetic of the Grammar schools and the abstract algebra of the High school, a gulf difficult for many minds to pass.

GEOMETRY.

In geometry, which occupies one-third of the time for the second year in the school, the work is proceeding well. Instead of making memory the chief aid, the pupils are led to use the definitions and axioms, when acquired, in tracing logical conclusions from given premises, following the usual order of topics in elementary text-books. To most this is a slow task, and because, in conformity with the present approved custom, it is necessary to introduce, even from the outset, exercises in original demonstration, at first simple and then progressively complex. This consumes time, but builds logical ability. It especially helps to prepare for the tests which await the pupil, as he passes from the High school to college or the scientific school.

Besides these elementary courses in algebra and geometry during the first two years, there are advanced courses in these subjects taken up in the last year, chiefly by students preparing for higher institutions, but shared by a few others by election. Advanced text-books are used, and the work is made searching and severe in both subjects. Especially in geometry, original problems and theorems are made the basis of work, and little assistance is rendered the pupil unless the work is seen to be beyond his attainment. That our best work is not fruitless is seen in the fact that the Institute of Technology examinations in mathematics, notably severe, were passed last Summer by two members of the advanced class, without conditions. The present advanced class is enthusiastic and increasingly successful.

THE SCIENCES.

CHEMISTRY.

In this study, assigned to the fourth year, the work consists in general of recitations, lectures and laboratory work. Two laboratory exercises, two recitations and a

lecture usually occupy the week, but this order is changed when the nature of the subject or the requirements of the class demand. The work follows in general that of the higher schools, being so modified as to suit the conditions found in a high school.

In the laboratory, each student has a desk at which he performs a series of experiments illustrating the subject under discussion. Results and observations are recorded in note-books, and the importance of doing this at once, even while the work is progressing, is strongly impressed upon the pupil. These notes are subsequently corrected by the teacher.

Reference books are freely used, and an attempt is made to familiarize the pupil with the literature of the subject under consideration. Abstracts from various sources are frequently required on certain subjects, and for this purpose the pupils are encouraged to avail themselves of the facilities offered by the Free Public Library.

And here let me say that one of the most pressing wants of this department is a good reference library, such as is possessed by every other department in the school.

Bearing in mind the facts that we are not fitting for a higher school, and that the school days of nearly all our pupils end with the completion of the High school course, it is intended to make the work as practical as possible, giving as much general information as we can in the practical applications of chemistry, while at the same time we endeavor to train the scholars to careful work and accurate reasoning and expression.

The present class is interested, is doing very fair work, and will cover more ground, thoroughly, than that of last year. This I attribute largely to the fact that the class of last year had had no previous laboratory training in physics, and consequently knew nothing about working in a scientific manner.

Before leaving this subject I would again call attention to the ventilation of the laboratory. The arrangements for carrying off the offensive odors and gases, slightly better than they were a year ago, are still inadequate, and the greatest care will not prevent the fumes from impregnating the atmosphere of the two rooms directly above the laboratory.

PHYSICS.

Pursuing this study, required of the boys and optional with the girls of the third year, there is now a class of 28 pupils, divided into two sections.

The work is on the same general lines as that of the chemistry, but, because of the younger age of the pupils, more elementary in its character. Ordinarily, two laboratory exercises and three class recitations constitute a week's work. In the former, personal work is made a strong element, and the pupils are led by the results of their own observations up to the ideas in the text-book. When these ideas have become a part of the general knowledge of the class, the various applications are readily seen.

The same importance is attached to recording observations as in the study of chemistry. The objects sought are two-fold, viz. :

First. To give to the pupils a real conception of the elements of physics, and the practical application of them in those forms with which every one must come in contact.

Second. To train them in careful, neat and accurate work and observation, and to develop the power of reasoning on observed facts and of drawing logical conclusions therefrom, and of expressing the results intelligently and intelligibly.

The class is interested, and doing fairly good work.

Our school possesses uncommon advantages for the

teaching of these two sciences. The two years assigned to them, the small classes made by dividing into sections, and the liberal provision in the way of apparatus, enable us to do particularly good work.

I would recommend that the physical laboratory be removed to another part of the building. If this were done, several deficiencies which now exist could be easily supplied.

ZOOLOGY.

Among the scientific studies given a place in the revised course is zoölogy, followed later in the year by botany.

The study of zoölogy has been, almost from the start, decidedly successful. Owing to the liberal provisions in the way of books and supplies made by the committee, we were enabled to adopt the most approved methods of teaching.

The objects in view are similar to those in the other scientific studies, viz.: The exercise of the powers of observation by close and careful examination of specimens; the development of logical and scientific habits of thought and expression; and the acquisition of a sufficient amount of carefully digested information to serve as an incentive to the further study of natural history, and as a starting point for further progress. In the time allotted to this study, six months, this is all we can hope to do.

The methods pursued are as follows:

The study of animals, beginning with the lowest forms, gradually works up through the various branches until the highest is reached. Some typical form in each division is taken, and its shape, structure, habits, and relations to other animals closely studied. This type is made a standard of comparison for classification. For example, in the study of molluses the oyster is taken as the type; the

shell, the soft body inside, the organs, the circulation, the digestive system, etc., are thoroughly examined. Then other bivalves are compared with it, and their resemblances and differences noted. As a type of the crustaceans the lobster is taken, carefully examined and compared with others of the same class. A frog is dissected to give insight into the structure of amphibians. Reptiles and mammals are studied until, finally, the highest type of vertebrate development is reached in man.

The pupils are required to obtain all information possible, by personal observation, before consulting books or pictures. For this purpose magnifying glasses, knives, scissors, needles, pincers and dissecting pans are furnished each individual. Drawings of the various objects studied are made by the pupils, and the results of their observations are systematically arranged and recorded in notebooks. After this, additional information is obtained from the text-book or from other good authorities.

That the memory easily retains knowledge gained in this way, the examination papers plainly show. Pupils who have done poor work in other studies manifest an interest in this, and the results already obtained fully justify the wisdom of placing zoölogy in the course of study.

In February, the study of botany will be taken up and carried forward in the same general manner.

ENGLISH.

The school is somewhat peculiar in respect to the prominence given to the study of the English language and literature. There is an uninterrupted course, occupying one-third of the pupil's time from the beginning to the end of the school course. The partial interruption during the last year, which the optional plan has hitherto allowed, will not be permitted after the present year.

The work follows, in general, four lines: the principles

of composition and rhetoric, practice in composing, the reading and study of literature, and the biography of authors. These are carried on *pari passu* throughout the course, but in varying proportion at different periods.

In Class IV, two-fifths of the time each week is occupied in language work, with a little technical grammar. The aim is to develop in the minds of the pupils the principles of composition, to illustrate these by examples, and at the same time, by exercise-writing on the same topics, to lead the scholars to active application of these principles. As aids, two books are placed in their hands, Swinton's School Composition and Parker's Exercises, of which the former is the more largely used. The teachers employ numerous additional helps in preparing exercises and other forms of language work. The following topics will show in more detail the range of this phase of the study: Words; Synonyms; The Sentence; Simple, Complex and Compound Sentences; Variations of Expression; Variation of Diction; Paragraphs; Derivation of Words; Punctuation; Parts of Speech; Letters, Notes, etc.; Figures of Speech, (briefly); Turning Poetry into Prose; Explanation of Maxims; Dictation Exercises; Reproduction of Stories; Description of Persons, Objects, etc.

Three-fifths of the time each week is given to the literature phase of the work, including the reading of specimens of general literature, and the pursuance of some longer work for a considerable period. Attention is given to oral expression, but still more to the understanding of the author's meaning. Certain passages are selected for memorizing. The three main works treated by the class are Irving's Sketch Book, Longfellow's Evangeline and other poems, and Whittier's Snow Bound with shorter poems. Formal compositions are required each month. These are corrected in school-time, with the pupil at the teacher's side.

In Class III, the work is continued with a wider range,—no less than the better portion of American literature. The same four lines are followed contemporaneously. About one-fifth of the time each week is given to rhetoric, with D. J. Hill's Rhetoric as the guide and manual. The pupil is shown how to choose his subject, and how to gather and arrange his materials. In point of style, he is taught the meaning of purity, propriety and precision of diction; is shown the value of concord, clearness, unity, energy and harmony of sentences; is guided to a sensible arrangement of paragraphs; and is helped to distinguish the various figures of speech, as the simile, metaphor, personification, allegory, metonymy, climax and hyperbole. Punctuation is touched upon slightly, and capitalization more fully. Criticism and versification also have brief attention. Exercises are given less frequently than in the previous year, and only on the points hardest to comprehend, and on others where errors are manifest in speech and writing.

About four-fifths of the time is given to the reading and study of specimens of American literature. About a dozen are dwelt upon with considerable care, namely: Irving, Bancroft, Bryant, Prescott, Emerson, Hawthorne, Longfellow, Whittier, Holmes, Lowell and the Cary sisters. Others are touched upon lightly. Extracts from the works, as found in Underwood's Hand Book of American Authors, are studied and read in the class, and outside reading is secured.

In the reading and study it is aimed to secure an understanding of the author's meaning, an interest in and appreciation of good literature, and an ability to read it orally with a fair degree of expression. Attention is also paid to the biography of the more important authors. The pupils are sent to other sources than the text-book, and after their contributions are all in, the teacher, by fuller

information, portraits, and other means, fastens the whole in memory.

Meanwhile, composition-writing goes on each month; the subjects, in the main, are selected by the teacher, but at times,—as when choice of subject is under discussion in the rhetorical work,—are left to the pupil, under the teacher's approval. Other topics than literary subjects are frequently taken. These compositions are corrected by the teacher and discussed individually with the writers in school time.

In Class II, similar work, with such amplification as the increased maturity of the pupils warrants, is pursued upon English authors and their works. Some dozen authors are taken up quite critically, and numerous others with less attention. The pieces of literature themselves are examined, annotated, discussed, portions of them committed to memory, and the opinions of contemporaries and modern critics referred to. (This work is greatly facilitated by cyclostyled notes placed by the teacher in the hands of each pupil.) The biographies are touched upon only enough to give a reasonably distinct personality to the names of the most prominent literary workers.

The work begins with Goldsmith, Johnson and Gray, and proceeds to the poets, novelists and historians of the modern time; then reverts to the earlier writers as far back as Spenser, and, in the most favorable years, to Chaucer.

Meanwhile, incidentally but steadily language-work goes on by theory and by almost daily practice, and monthly compositions based on the work in literature are secured. These are carefully corrected, discussed individually with the writers, and nearly always rewritten by the pupils.

In Class I, essentially similar work is carried on, but with more minute criticism and more thoughtful discus-

sion. It is based upon three plays of Shakespeare,—The Merchant of Venice, Hamlet, and Midsummer Night's Dream,—upon Byron's Childe Harold, and upon two books of Milton's Paradise Lost, with Lycidas, if time allows.

The whole setting of the Elizabethan era is brought out,—the history, the society, the language; and so in the case of the other poems. Paraphrasing is made to test the understanding, and especial attention is given to oral reading with expression. The pace is made slow enough to allow of thorough work. In addition, shorter pieces, as some of the Idyls of the King, and the Ode to the Nativity are committed to memory—parts by different pupils—and recited in a weekly exercise.

Still again, monthly compositions are required, which show the results of independent reading of books selected by the pupil and approved in advance by the teacher. These are rigidly corrected with the pupil, and very frequently rewritten. The best of these are read in the presence of the class at a weekly exercise.

In this way our school is attempting to solve the problem on which, perhaps, there is the least agreement as to details of method, and the most agreement as to the necessity of the study of all topics connected with the High school work.

The results are very satisfactory. A fair degree of facility in expression prevails long before the end of the fourth year, though a skilled inspector can find errors even upon the last day. Not infrequently, when an original vein of thought has been developed, there results an essay, and more rarely a brief poem, which is fully worthy of publication.

Before leaving this subject it ought to be said that much of what is excellent in the practical working of the plan in English, would be quite impossible but for the material so judiciously supplied from the Howland fund.

I have thus endeavored to state, as concisely as possible, just what we are doing in these three departments. Our methods may be criticised, we ourselves hold them open for improvement. But it is certain that thus far they have worked quite satisfactorily, and the results are very gratifying. We offer them as our contribution, for this time, for the solution of the problem which to-day, more than ever before, is engaging the attention of our best educators, viz. : what are the best means of giving to our youth a sound, practical education, and of interesting them in the attainment thereof?

DRAWING.

Before closing this report I wish to call attention to another department of the school work—the drawing. In our city there are exceptional opportunities, in the way of employment, for those who have acquired an aptitude for designing and skill in drawing. For this reason considerable importance has always been attached to this study in the school, and our efforts have been specially aimed toward the development of any ability shown in this direction.

Some years ago there was in this department a well arranged course of study, producing results of which the school was justly proud. The walls of the corridors and the drawing-room were adorned with the best work, and it attracted considerable attention.

For reasons unknown to me the course was discontinued, the pictures were removed from the walls and became scattered, and the frames were stored in the attic. The teaching, excellent as it is in many respects, and producing fine results in certain directions, now lacks the well arranged system of the former time, so indispensable in a graded school.

It is certain that most boys can advantageously pursue a moderately progressive course in mechanical drawing, while some of them, and very many of the girls, have an aptitude for free-hand work which can be developed by a well arranged course.

In my opinion, the importance of the subject demands the early consideration of the High School Committee. Two courses, clearly defined, but elastic enough to accommodate individual cases, ought to be arranged at once. The special drawing teacher has already projected a course, which I commend to your attention.

For the High School Committee.

JOHN ELDRIDGE, JR.,
Chairman.

GRAMMAR SCHOOLS.

In presenting the Report of the Sub-Committee on Grammar Schools, we take the opportunity of answering a criticism which is sometimes thoughtlessly made, on the supposed superiority of the grammar schools of the past. That this criticism is unfounded, may be seen from a consideration of the following facts.

In the past, reading, writing, arithmetic, spelling, geography, and grammar, were considered the fundamentals of education, the greatest stress being laid upon the importance of arithmetic and spelling. If a pupil could solve knotty problems in arithmetic, and could spell difficult words, he was likely to pass for a good scholar. By this method much proficiency was undoubtedly attained in these branches. The grammar schools of to-day do not attempt as much arithmetic and spelling as formerly, but we believe that the fundamental principles of arithmetic are so fully taught that the practical problems of common life may be readily solved. If it is true that some puz-

zling problems would be too difficult for the children of to-day, the gain from the additional studies which are now pursued is such that no real loss occurs. A similar statement may be made with regard to spelling. While our pupils cannot spell so many words as those of an earlier day, they can spell correctly all the words they are required to *use*, and many more.

The practice in penmanship formerly consisted of a daily half-hour imitation of a copy. There was almost no practice without a copy-book. The result was that the children were deficient in those elements of good penmanship—ease and rapidity. The pupils of to-day, however, it is believed, are generally able to write easily, rapidly and well. This result is due, in part, to repeated dictation exercises, where, from the nature of the case, there can be no copy.

The practice in reading in an earlier day consisted in the repeated use of a series of about five books during the child's entire school life. The vocabulary in one set of readers was of course quite limited. The improvement in reading at the present time, we think, is apparent. To be a good reader, a child must himself understand what he reads, and be able to impart that understanding in an easy and natural manner. Great pains are taken to train the pupils to the use of a full round tone, with clearness of utterance, and an easy, natural modulation of the voice. We believe these effects have met with a good degree of success. In the accomplishment of these results, the use of supplementary readers has undoubtedly been an important factor.

In geography, the pupils in the former days were confined mainly to a study of the physical and political features of countries as represented on maps, and learned but little, as they are now taught, of how the people of

the several countries live, how they are governed, and what they produce.

Grammar was studied by the older scholars only, and many of them could analyze and parse complicated sentences; but few could write an ordinary page of composition with ease and grace. The average grammar graduate can now express himself with greater ease and accuracy, the result of much practice in placing the products of his thought and knowledge in writing, and of the correction of such work by the teacher.

History was not formerly taught as a regular study; or if it was attempted it was not taught systematically. The time now given to additional studies,—history, music, drawing, singing, and physiology and hygiene,—is about seven hours per week: thirty per cent. of the whole time given to school work, leaving seventy per cent. of the time for the former studies. With the possible exception of arithmetic, we believe the old-time studies have never been better taught than now, and that such has been the gain by the additional studies that the pupils of our schools at the present day have a far larger amount of useful knowledge, and a greater power to use it.

The schools will undoubtedly feel the effects of the loss of the three weeks, at the beginning of the school year, on account of the prevalence of diphtheria at that time. We are sure that the teachers are doing all they can to make the loss as little as possible.

It will be remembered that by the change of time to "railroad time," a few years ago, the actual closing of the schools is 16 minutes later than formerly. The result in the afternoon session in some of the poorly lighted rooms, on cloudy and stormy days, is very bad. In some of the rooms of the Parker street and Middle street schools, and in the room of the Fourth street school used by the Grammar department, it is often altogether too dark for study

long before four o'clock. It would be better to hold the afternoon session from 1.30 to 3.30 o'clock for the Winter months, than to injure the eyesight of the pupils.

In the lower grades of the Grammar schools there is need of a supplementary text-book in arithmetic, which shall contain a large number of concrete practical examples, helping to form business habits of carefulness and accuracy. Bradbury's Eaton's Elementary Arithmetic might be used to advantage in the eighth and ninth grades.

We need a better language book. We want a text-book which can be followed somewhat closely, giving attention to composition and the use of language, together with so much of technical grammar as may be necessary to give a genuine knowledge of the language. The book "How to Talk" has been found useful in the Fifth street school, and is used by the teachers in other schools, but is not a text-book.

For much of the good work and successful methods in our schools, we are indebted to the wise counsels of our lamented superintendent, Mr. Harrington. His name will long remain in the affectionate memory of all classes of our citizens.

For the committee.

F. A. WASHBURN.

PRIMARY SCHOOLS.

Concerning the Primary schools there is but little to be said in addition to former reports of this grade. They have been so firmly established upon a good working basis that they move along with the least possible amount of friction. As evidence of this, one needs but to visit them and observe how smoothly the entire machinery moves, and any interested visitor must conclude that it was a

master hand which inaugurated the system now being followed out.

I have no change to suggest whereby the internal working of this department of our schools can be improved upon, except, perhaps in the matter of discipline, respecting which I desire to say a word.

From cases which have come under my own observation in my visits to the schools, from time to time, I am impressed with the thought that too much discipline of the little ones is detrimental rather than beneficial.

While I would not under-estimate the necessity of good discipline in any schoolroom, at the same time it would seem advisable to “wink” at some things in the lower grades, rather than to expect pupils of from five to seven or eight years of age to be men and women. They become such quite soon enough, and we ought not to look for perfection at too early an age. It is well to be firm, but *not* well to be too exacting, particularly with children of the twelfth and thirteenth grades.

As in former years, so also during this year have the Primary schools received valuable aids from the income of the Sylvia Ann Howland fund, and the supplies furnished from this source have been faithfully applied for the benefit of the pupils. The results in every case would seem to have warranted the expenditure. The balance of the leaflets supplied from this fund, and for which there has been so much demand of late, have been completed, and are now ready for distribution and use in the schools.

During the year an additional room has been furnished for the Primary department in the Thompson street school-house, thus affording accommodation for four grades in that building, with a full class in each grade.

The City Council has purchased a lot in the western part of the city, on Court street, upon which it is hoped a new building will be erected the coming year. This

will supply the needs of that portion of the city for some years to come. When this building is erected I sincerely hope the Board will decide to call it the "Henry F. Harrington Primary School," in memory of our late superintendent, and that it may be built after the same plan as the Thompson street school-house, than which no more suitable building can be desired.

It is evident that the time is not far distant when still another school-house will be required in the extreme southern portion of the city, to meet the continued increasing demands in the Primary department. I would recommend that a location be selected which will accommodate not only the increased population of that district, but also accommodate the pupils now attending the Grove school, and that building be dispensed with, its situation being anything but desirable for primary children.

The loss we have sustained during the year in the death of our late superintendent, Mr. H. F. Harrington, will probably be more keenly felt in the Primary schools than in any other department. In this branch of our schools, in particular, he was a faithful and valuable servant and competent adviser. To him, more than to any other one person, are they indebted for the high character to which they have attained, and the enviable reputation they have gained all over this Commonwealth. In the new superintendent we hope to find a man who will prove a worthy successor, and that under his guidance this department of our public schools will be kept fully up to its past record.

Respectfully submitted.

I. W. BENJAMIN,

Chairman.

COUNTRY SCHOOLS.

The past year has developed a necessity for several changes in the Country schools.

Miss May L. Pettey, of the Primary department of the Cannonville school, was promoted to a position in the Parker Street Grammar school, by recommendation of the Grammar School Committee. Miss Addie J. McFarlin was appointed to fill her place, which she has done in a very satisfactory manner.

The resignation of Miss Mary F. Sylvia from the Primary department of the Acushnet school was accepted, and Miss Belle B. Wheeler was appointed to the vacancy without disadvantage to the pupils. The assistant's room in this school-house has been enlarged, reseated, and provided with desks, a much-needed improvement which is thoroughly appreciated both by pupils and teacher. This change was made with as little expense as possible, as a temporary convenience, hoping for the erection, at no very remote period, of a suitable school building for the children of this intelligent and enlightened portion of the community. The present structure is of great age, without cellar or any modern convenience, and during six months of the year is absolutely unsafe by reason of the cold drafts, unavoidable from the demoralized condition of windows and doors. It is desirable that these evils be remedied, the most economical way of doing which would seem to be to build a better school-house. It is by the unanimous vote of the Country School Committee that this matter relating to the school accommodations of this section is incorporated in this report, and is directed "to whom it may concern" of those having power in this direction.

Miss Alice L. Tripp, of the Rockdale school, now in Florida for her health, has had her leave of absence ex-

tended to the close of the present school year. Miss Lillian Turner, now Mrs. Thomas, continues to supply her place in a very acceptable manner. This school has increased in numbers during the past year to such an extent as to make it profitable, in the judgment of this committee, to employ an assistant. Being located so far from any public conveyance, with the opportunity for securing board in its neighborhood so uncertain, it was thought desirable to secure a teacher, if possible, living in the vicinity. In pursuance of this object, Miss Alice P. Terry, a graduate of our High school in the class of '83, was interviewed successfully, and with the approval of the Board was allowed to take a special examination. This she passed with credit, and is now performing her school duties in an acceptable manner.

There have been no changes of consequence at the North school. The same good work by the same teacher goes steadily forward.

The Plainville school has increased in numbers during the year. It holds its wonted standing, and is characterized by good order.

The Clark's Point school has been in an intermittent state throughout the year, at one time having scholars enough for two teachers, at another not enough for one. At this time it is at its lowest ebb. For the first time in years there are no pupils from the Alms-house. The children from the Orphans' Home, who formerly attended here, are now sent to the Thompson street school, on account of the reduced distance. There are even now, among the few remaining, several whose homes are as near or nearer the city schools as to this. It is merely a matter of choice on the part of the parents which they shall attend. In fact, I think there are no boundary lines to this district. A school whose attendance is so uncertain is a severe trial to a teacher, especially to one as earn-

est and ambitious for the advancement of her classes as is Miss Allen.

The whole number of scholars now belonging to the Country schools is 288. Of these, 100 are in the grammar grades. Of the latter, at least 18 are in the fifth grade or graduating class, and will graduate at the same time with the corresponding class of the city Grammar schools. The course of study pursued has been the same with each.

The Country schools have had, or have been entitled to have, the same careful supervision of school committee and superintendent as those of the city. The teachers compare favorably, and are chosen with the same care. In three of the Country schools drawing is taught by a special teacher. In two, they have music by Mr. Diman. The others, on account of their greater distance from the city, have not this privilege. To make up for this,—the only difference of instruction between the city and the country,—the teachers apply themselves to the task, doing double duty, that haply they may thereby make up to their pupils a privilege they would otherwise be obliged to forego.

Those scholars who have graduated from the Country schools in the past, and have taken examinations for the High school, have compared favorably, I am told, with those graduating from the city. We expect the graduates of this year to do as well. We would ask for them a corresponding recognition with those of the city. If a diploma is granted the latter, we would ask it also for the country graduate,—a recognition of “having honorably completed” his course of study, with the signature of the mayor, the superintendent, and the principal of the school attached, bearing witness thereto. If this is worth anything to the graduates of the city, it is worth much more to those of the country; inasmuch as the graduate

of the city is known to those of whom he would seek employment, and would be able to secure a situation by personal recognition, while the graduate from the country, as he drifts cityward in pursuit of a vocation, would be personally unknown, and the signature of the mayor and superintendent would be of great value to him.

That there has been discrimination heretofore in this regard, I am convinced has been occasioned by an oversight. It may be more or less the fault of the Country School Committee, for not having called the attention of the Board to this matter before. But whatever the cause, I trust the injustice will be speedily recognized, and no longer allowed to exist.

Respectfully submitted.

ELIZABETH W. STANTON,

Chairman.

EVENING SCHOOL REPORT.

While the elementary Evening schools have met with varying success in the cities and towns of our Commonwealth, it has been the constant aim of this committee to search out the causes that have led to success or failure, and to apply that knowledge in the management of our schools. The natural disadvantages under which these schools labor are apparent and need no repetition. Each year's experience and progress makes them less, and adds system to the important work of the Evening schools. How important this work is, may be realized to some extent when we consider that there are more than one thousand persons in our midst who can neither read nor write in the English language. Now we have a maxim that "Ignorance is the parent of vice," and Secretary Dickinson, in his report to the State Board of Education, 1884-5, says: "Every good citizen should be alarmed whenever

he finds a youth in his community growing up in ignorance."

It is a question with some how far education should be carried at the public expense, but it is conceded by all to be the duty of the city to its citizens to educate sufficiently, so that those of ordinary capacity may be able to support themselves, and take care of any property that they may acquire.

The State makes this education compulsory to a certain extent, the new law bearing on evening schools being as follows :

Acts and Resolves of Massachusetts 1887. Chap. 433, Sect. 2.

Every person who employs, or permits to be employed, a minor 14 years of age or over, who cannot read and write in the English language, providing such minor has been since reaching the age of 14, for one year continuously a resident of a city or town in this Commonwealth wherein public evening schools are maintained, and is not a regular attendant at a day or evening school, shall for every such offence forfeit not less than fifty nor more than one hundred dollars, for the use of the evening schools of said city or town.

Under the operation of this law over 400 new scholars applied for admission to the Evening schools. The principals of the schools were authorized to issue provisional certificates of attendance to those who could not be accommodated with the present facilities ; and as it appeared that the labor of quite a number of those who applied was so necessary to the support of themselves and their families, and their circumstances such as to make it unreasonable to require their regular attendance at the Evening school, the mill agents were requested to furnish lists of such of their employes as might properly be entitled to temporary exemption from the operation of said law.

We are pleased to say that the request was complied with promptly and in an enlightened spirit, and though a large number of permits was issued by the secretary of the Board, the attendance at the schools has been fully 30

per cent. greater than a year ago. For example, the average attendance at the South Evening school for the term ending

Dec. 30, 1884, was 60 scholars.

" 1885, " 75 "

" 1886, " 110 "

" 1887, " 160 "

The Central and North Evening schools also show this steady increase, the average for the past three months being respectively 43 and 187, giving the full average attendance of scholars in our Evening schools, for the past three months, 390.

The total number enrolled in the schools this year is	980
The largest attendance any evening has been	599
The smallest attendance any evening has been	147
The attendance the first night of the term was	527
The attendance the last night of the term was	269

The seating capacity of the rooms now furnished for the Evening schools (independent of settees and chairs) is about 500. It will therefore be plainly seen that in making estimates for the next year, the necessity for increased accommodations for this class should be considered, and the rooms prepared and ready for occupancy at the beginning of the term.

The Wamsutta Hall, Union for Good Works, and the reading-room on Bedford street sustained by the Woman's Christian Temperance Union, have somewhat affected the attendance at the Evening schools. The music and the games are more attractive to many than the books. We would not underrate the value of these places of recreation, and the kind hearts that have sought thus to brighten the monotony of daily toil. Our aims are the same, and we can and should work together in the cause of humanity.

It is still our plan not to employ teachers that are in service in the day schools. Very few teachers are able to

do justice in both places ; one deals largely with individuals, the other with classes, and in conducting them simultaneously the teacher will naturally “ cleave to the one and despise the other.” Nevertheless, the evening school work is a good drill for day school service, and several of our teachers have been thus promoted. On the other hand, some of our most excellent evening school teachers have had long experience in the day schools. Our teachers, without reserve, have given that thoughtful attention and honest zeal to their work that merits acknowledgment in this report. Some of them have knowledge of French, German, and Portuguese, which has been found very serviceable.

There is an admirable “ corps d’esprit ” in the schools. From committee to teachers, from teacher to scholars, and among the scholars, there is the prevailing sentiment that they will be sustained in everything that is for the good of the schools, so that the few cases of discipline have met the hearty assent of all concerned. The causes of discipline have been insubordination of various degrees, and have been promptly dealt with.

The studies this year are the same as last year, with the addition of the elements of book-keeping and the Health Primer.

The janitors are making a record not only for attention to their special duties in the care of the buildings and rooms, and maintenance of order in the halls and about the buildings, but also a particular interest in the habits of the scholars and their regular attendance, &c., that is very gratifying.

The evening schools, like Wilson’s Zouaves in the civil war, are recruited mainly from the cruder elements of American society, but, like them, with suitable training they have the capacity to make excellent soldiers. They are being mobilized, and from a straggling and disorderly

crowd, begin to present the appearance of a compact army corps. Many of them hear the music of the future, keep step with the Grand Army of Education, and are eager to grapple with the old tyrant, Ignorance. They press into the ranks faster than we can equip them, march through darkness and storm and ice, and fight valiantly so far as they have the opportunity.

The perpetuity of American institutions, the security of life and property, the freedom from superstition and anarchy, lies in the uplifting power of education. The scope of the day school is limited, but its ally, the evening school, sends out its cheering invitation to those who had passed the ordinary limit of school education, to partake of this great gift of American citizenship.

For the committee.

JAS. C. BRIGGS,

Chairman.

REPORT OF THE COMMITTEE ON DRAWING.

The plan of instruction followed in this department during the past year, is the same as that of previous years. An examination of the work done in the High school, and in the upper classes of the Grammar schools, work which can only be the outgrowth of careful and progressive training, gives a result that is gratifying as to the past, and encouraging as to the future. As time passes, this committee realizes more and more the importance of drawing in our curriculum as a power in education, and in this conviction we are strengthened by the growing favor in public opinion toward this department.

Heretofore, the pupils entering the High school from Acushnet and the North school were unprepared to take up the course in drawing there pursued. During the past year Mr. Cumming has taught at Acushnet, and Miss

Fannie Ashley has given regular lessons at the North school.

The committee would suggest that hereafter the teaching in the Grammar schools be made as nearly uniform as possible, in order that pupils entering the High school may be equally fitted to commence the work there.

EVENING DRAWING SCHOOL.

The corps of teachers in this school includes the principal and two assistants. Mr. Cumming, the principal, has entire charge of the free-hand drawing. Mr. Drake is the instructor in geometry. Mr. Coggeshall, who labored so long and faithfully in this school as teacher of mechanical drawing, sent in his resignation at the close of the last school year. Mr. Edgar B. Hammond was elected to fill the vacancy. The committee consider themselves fortunate in having been able to secure the services of a practical architect and builder. They believe that this choice will help them toward the fulfilment of their most earnest desire to make this school a stimulus and a help to the mechanics and artisans of this city. It seems to us that the older mechanics might be able to give some valuable suggestions that would help us in the accomplishment of this purpose,—suggestions that we should gladly receive.

While the committee do not undertake to control the date of entrance to this school, they would earnestly recommend that pupils commence at the beginning of the course. If the first lessons are lost, valuable time that should be devoted to the class as a whole must be spent on the few late-comers, who themselves become discouraged and demoralized by their inability to comprehend and perform the regular work of the class.

During the long vacation some changes were made in the rooms devoted to the use of this school. Two small

rooms were thrown into one, making a good-sized apartment now occupied by the pupils in free-hand drawing, the geometry and mechanical drawing being taught in the large outer room ; this separation of work being very satisfactory to teachers and pupils.

The Edison light has also been introduced, to the great advantage and comfort of all concerned, and the rooms are now in every way convenient and inviting.

The attendance has been good, and the pupils have been earnest and industrious. The average attendance has been as follows :

Pupils in free-hand drawing,	17
“ mechanical drawing,	10
“ geometry,	12½

HELEN W. WEBSTER,

Chairman of Drawing Committee.

SEWING.

It is universally admitted that there is no more fruitful source of unhappiness and misery than idleness. A large part of the anarchy and rebellion of foreign countries finds ready tools to carry out its machinations in the unemployed masses ; and even in our own land we experience a feeling of uneasiness when any considerable number of persons who usually labor have become idle. Nor does any one doubt that an idle brain is a hot-bed which nourishes a rank growth of evil devices, and that unemployed hands are willing instruments to further the schemes which emanate from just such an objectionable source.

Bearing all this in mind, it has been the policy of our nation to furnish occupation for as large a number of bread-winners as possible, and the result is, nowhere on the broad earth can there be found a more happy and contented people. That which is true of masses applies

equally well to individuals, and to test its application we were led to introduce a mechanical industry into the course of training in our schools. Observation convinced us that a large proportion of the young girls in our city had many hours of leisure, which, from want of proper guidance and from ignorance, were spent in senseless and objectionable ways.

Five years ago your committee applied for power to train the unskilled fingers and utilize the latent powers of at least one-half of those who are members of our schools. There were many and cogent objections to adding another task to the large demand already made upon both teachers and pupils; but the plea that our employment, being well-nigh mechanical, would give rest to the intellect instead of additional toil, at length prevailed, and a course in sewing was established.

Right here permit us to remark that the very liberal spirit in which the committee met the new departure insured its success from the outset. Had it been started in some out-of-the-way corner, and in a niggardly manner, there would have been only failure to record.

The course has been fully tested, and this report is to chronicle the fact that there went into the families of the scholars two thousand three hundred fifty-seven new articles; and a spirit of thrift and economy must have been well inculcated while the girls were being taught, and encouraged to repair two thousand nine hundred fifty other things by skilful mending and darning. It must be obvious to all that this work, carried directly into hundreds of homes, will tend to lighten the burdens of many who find the crowded work-basket a source of continued weariness and annoyance.

Sewing has met with very slight opposition since it was introduced, and but for the June exhibition the public would scarcely know of its existence. We hope the day

is near at hand when the girls can be taught to cut, baste, and prepare their work for themselves; then we shall feel that we graduate yearly from our Grammar schools about two hundred girls who are prepared to be self-supporting.

If the course of instruction can be carried into the upper grades, and a small outlay be made for cutting tables, the same efficient teachers we now have can easily accomplish this greatly-to-be-desired end.

Respectfully submitted.

BETSEY B. WINSLOW,

Chairman.

MUSIC.

The Committee on Music have but little to report concerning this branch of school work. But little change has been made during the year in the method of teaching music in the public schools, and the practical working of the system as taught by Mr. Diman, our efficient instructor, has produced results satisfactory to the committee; and it is a source of gratification and encouragement to them to note the rapid progress that has been made in this department, and the apparent interest manifested by the teacher and the pupils under his charge.

In my last report it was stated that the three lower grades and the Mill schools were receiving no instruction in music beyond that occasionally given by the regular teachers, and it was recommended that they be allowed the same privileges enjoyed by the higher grades, viz., that the special music teacher devote a portion of his time to these schools, and that the regular teachers also spend the required fifteen minutes in this work each day, thus placing them upon the same footing as the other teachers in this respect. This recommendation was adopted by the School Board, and a schedule was immediately prepared,

under the direction of the committee, and the music teacher at once commenced to act in harmony with the wishes of the Board. At present music is taught in all the grades, in the Mill schools, and in the Country schools with the exception of the very remote ones.

Your music teacher covers a great deal of ground in his daily rounds among the schools, and in every instance, so far as the knowledge of the committee extends, he is heartily welcomed by the scholars, and they invariably manifest a decided disposition to enter upon the work required of them, and are always overjoyed when the hour arrives for them to take their music lesson.

Mr. Diman is ably seconded in his work by the regular teachers, and the limited time allotted them is faithfully improved. In general they manifest an interest in the work, some perhaps more than others, yet the same anxiety for success is shown by all, and a desire to have their scholars rank high in this department of their work prevails generally among the teachers. And when we take into consideration the fact that the special teacher's visits are fortnightly, and but fifteen minutes are allowed daily to the regular teachers, we feel that good work is being accomplished, and the results reached are fully equal to our expectations.

But one other change has been made in this department of any great moment,—that of the salary of the special teacher. A maximum salary has finally been established by the Board, one the committee think will fully compensate for the service rendered; and as it is satisfactory to all concerned, the committee rejoice that this bone of contention has been removed.

Mr. Diman, the committee are assured, is deeply interested in his work, and has faithfully and conscientiously discharged his onerous duties, and the results attained, in

the estimation of the committee, will compare favorably with the average schools of the Commonwealth.

For the committee.

S. H. SHEPHERD, Chairman.

MILL SCHOOLS.

This department still continues its good work, and results show the wisdom of the founder of mill schools. To say that the teachers are faithful and efficient, is but to repeat what former committees have said, and is a fact amply proven by the progress made by pupils under their care. Their services are valuable from long experience, and they endeavor to impress upon the children the importance of a practical education. As the schools are not large, a great deal of individual attention can be given each pupil, and in part make up the time spent in the mill.

The question has been asked, if the name mill school does not affect the social standing of the children. On the contrary, they are judged by the work accomplished, which we find fully equal to pupils in any grade pursuing similar studies.

Advocates of a change in this department have only to carefully examine its workings to become equally strong in expressions of praise at its results.

During the past year the demand for more room in the Primary department at the Thompson Street school necessitated the removal of the South Mill school to a room on the third floor of that building. This room is comfortable and commodious, and Mr. Benjamin, the committee in charge of the building, is entitled to great credit for his judicious arrangement of the details. The school has in-

creased in numbers during the past year, and should there be many more additions an assistant will be necessary.

The North school has decreased somewhat, but is still large enough to require the services of two teachers.

A special committee from the Legislature have been investigating the subject of "Child Labor," and have recently made their report. New Bedford was commended by the committee during their visit here, for its careful compliance with the laws, and very few violations were noted.

Just here it may be proper to say that the mill officials have been very prompt and considerate in their observance of the law, and always ready to furnish any information in their power with regard to those under their charge.

Referring to the report of the committee, we find it suggests some radical changes looking toward a more stringent enforcement of the law.

Frequent cases are brought to our notice, of the inability of parents (from extreme poverty) to keep their children in school during the time required by law. This is to be obviated by having the committee pay to the family an amount sufficient to support the child during the school term. Certainly some change of the present law is necessary, for that gives no option, and the remedy mentioned will hardly meet the emergency. Many people will suffer before receiving charity at the hands of the committee, and many will claim when they are not entitled. It would seem far more judicious to place the matter in the hands of the school committee, with power to investigate and determine each case upon its merits. The form of certificate recommended is very complete, and if properly filled will require far more labor than is needed at present.

Education is certainly an essential in life, but compulsory education should be so tempered in legislation as to

cover all antagonisms, and impress upon the mind of the pupil that it is a part of existence and not a side issue.

Respectfully submitted.

ISAAC B. TOMPKINS, JR.,
Chairman.

TRUANT SCHOOL, INCLUDING REPORT OF TRUANT OFFICER.

The regular school for truants has continued through the year, without marked change.

The experiment of sending a mechanical instructor to the school for one half day Saturdays, was discontinued after the first six months of the year. The youth and size of the boys hindered the carrying out of the theory, which we still heartily indorse. They need regular employment suited to their capacity, rather than especial instruction at rare intervals.

The school began its sessions the second week in August. The cordial relations existing between teacher and pupils is shown by the fact that nearly every boy was pleased with this arrangement.

The committee have in previous years urged the importance and necessity of pursuing a more liberal course in regard to the care of our truants. It would seem a judicious thing for the county to make an expenditure of money for the purpose of checking, if possible, criminal tendencies, rather than to expensively house and care for the same individuals who may possibly become subjects for such expense through the neglect of proper earlier care.

The same care and energy as in previous years has been exercised by the truant officer, Mr. Nathan L. Paine. The fact that the school is smaller than usual, shows that

the methods employed have been effective. Great care has been taken with those who have been tempted to become truants, to induce them to attend school regularly, as his statistics show :

Number of interviews with families,	300
Number of interviews with children,	1,200
Number of truants arrested and sent to the Truant school,	13
Number of children on probation,	8
Number of children at present in the Truant school,	12

The school is so devoid of real reformatory influences that a sentence there is resorted to only after all other methods have failed. Boys in our schools distinctly understand that persistent violation of rules in regard to attendance will surely result in a long sentence at the farm. Short terms of confinement there have been found impracticable.

This officer comes in contact with many girls, during the year, who sadly need the controlling influences that a special school for them might furnish. That there is no place for truant girls, makes the officer's dealings with them a difficult matter. They and their parents can defy him, knowing full well that no penalty exists for them. Some place of detention is a necessity to make this department a success.

ELMORE P. HASKINS,

Chairman.

IN SCHOOL COMMITTEE,
Dec. 30, 1887.

On motion of Mr. Mathews :

Voted unanimously, That the thanks of the Board are due and are hereby tendered to his Honor the Mayor, for the courteous, impartial, and able manner in which he has presided over its deliberations during the year, and that, while congratulating him on his reelection, we look forward with much pleasure to his continuance in the chair for another year.

On motion of Capt. Howland :

Voted unanimously, That the thanks of the Board are tendered to the Vice-Chairman, Isaac W. Benjamin, for the able and impartial manner in which he has presided over the deliberations of the Board during the absence of his Honor the Mayor.

On motion of Mr. Pitman :

Voted unanimously, That the thanks of this Board are due and are hereby tendered to the Secretary, Isaac B. Tompkins, Jr., for the faithful and efficient manner in which he has performed the duties of the office during his term of service.

GRADUATING CLASS OF THE HIGH SCHOOL.

Theodore Barton Baylies,	Harriet Swain Gardner,
John Hillman Bennett,	Eva Barton Godfrey,
Frederick Warren Besse,	Leonora Hamblin,
George Edward Bonney,	Sadie Maria Hatch,
Walter John Channing,	Mary Elizabeth Hennessey,
George Richard Taylor Grey,	Lydia LeBaron Holmes,
Fred Doran Greely,	Anna Frances Hurley,
William Mason Harding,	Nellie Frances Kiernan,
Ellis Loring Howland,	Myra Andrews Leach,
Franklin Elliott James,	Florence Lucile Leaming,
Harry Lawrence Stevens,	Lila Jane Lowe,
Katharine Cecilia Barstow,	Mary Barker Mason,
Daisy Mary Butts,	Mary Grant McAfee,
Grace Linwood Carver,	Mary Emma Pasho,
Jennie Elizabeth Case,	Lois Madeline Soule,
Alice Howard Church,	Eleanor Maria Stetson,
Grace Covell,	Ardra Allen Taylor,
Annie Wood Croacher,	Margaret Patterson Case Tucker,
Rachel Leach Denham,	Florence Bertha Maude Vinal,
Isabelle Donaghy,	Margareta Ann Warfield,
Elizabeth Cecilia Donovan,	Jennie Parker Washburn,
Katherine Dora Duffy,	Edith Keen Weedon,
Mary Dugan,	Minnie Eudora White.

SCHOOL COMMITTEE — 1887.

MORGAN ROTCH, Mayor, Chairman, *ex-officio*.

HENRY F. HARRINGTON, Secretary, and Supt. Public Schools.

WILLIAM A. CHURCH, President of Common Council, *ex-officio*.

WARD 1—Annie R. Borden, Elizabeth W. Stanton, G. W. Hillman.

WARD 2—S. H. Shepherd, I. B. Tompkins, Jr., E. P. Haskins.

WARD 3—I. W. Benjamin, Helen W. Webster, W. H. Pitman.

WARD 4—G. H. Dunbar, W. H. Mathews, J. Eldridge, Jr.

WARD 5—C. T. Bonney, J. Howland, Jr., F. A. Washburn.

WARD 6—F. H. Gifford, Betsey B. Winslow, J. C. Briggs.

STANDING COMMITTEES.

ON HIGH SCHOOL—Eldridge, Washburn, Bonney, Howland, Dunbar, Benjamin, Mathews, Miss Winslow.

ON GRAMMAR SCHOOLS—Washburn, Miss Winslow, Pitman, Dunbar, Briggs, Mrs. Webster, Haskins.

ON PRIMARY SCHOOLS—Benjamin, Miss Winslow, Pitman, Shepherd, Tompkins, Mrs. Stanton, Mrs. Borden.

ON COUNTRY SCHOOLS—Mrs. Stanton, Hillman, Briggs, Mrs. Webster, Gifford, Haskins.

ON FARM SCHOOLS—Haskins, Bonney, Washburn, Hillman, Gifford.

ON MILL SCHOOLS—Tompkins, Howland, Shepherd, Hillman, Mrs. Webster, Mrs. Borden.

ON EVENING SCHOOLS—Briggs, Howland, Pitman, Hillman, Bonney, Mrs. Stanton, Mrs. Borden.

ON MUSIC—Shepherd, Mathews, Pitman.

ON DRAWING—Mrs. Webster, Eldridge, Miss Winslow, Bonney, Gifford, Haskins, Church.

ON SEWING—Miss Winslow, Washburn, Benjamin, Shepherd, Mrs. Stanton, Mrs. Webster.

ON EXAMINATION OF TEACHERS—Eldridge, Dunbar, Washburn, Benjamin, Shepherd, Briggs, Miss Winslow, Tompkins, Mrs. Stanton.

ON TEXT-BOOKS—Pitman, Dunbar, Washburn, Mathews, Hillman, Briggs, Mrs. Borden.

ON EXPENDITURES—Mathews, Benjamin, Dunbar, Howland, Pitman, Tompkins, Eldridge, Gifford, Church.

ON HOWLAND FUND—Howland, Benjamin, Mathews, Bonney, Eldridge, Tompkins, Church.

ON PAY-ROLLS—Dunbar, Mathews, Tompkins.

SCHOOL COMMITTEE—1888.

MORGAN ROTCH, Mayor, Chairman, *ex-officio*.

ISAAC W. BENJAMIN, Vice-Chairman.

WILLIAM E. HATCH, Secretary, and Supt. Public Schools.

Office 7 Pleasant street.

Office Hours—8½ to 9 A. M., 12½ to 1 P. M. Saturdays 9 to 9½ A. M.

STEPHEN D. PEIRCE, President of Common Council, *ex-officio*.

WARD 1—G. W. Hillman, Annie R. Borden, Elizabeth W. Stanton.

WARD 2—E. P. Haskins, S. H. Shepherd, I. B. Tompkins, Jr.

WARD 3—W. H. Pitman, I. W. Benjamin, Helen W. Webster.

WARD 4—J. Eldridge, Jr., G. H. Dunbar, W. H. Mathews.

WARD 5—F. A. Washburn, C. T. Bonney, J. Howland, Jr.

WARD 6—F. M. Kennedy, F. H. Gifford, Betsey B. Winslow.

EMMA M. ALMY, Superintendent's Clerk.

N. L. PAINE, Truant Officer.

Office Hours—8½ to 9 A. M., 12 to 1 P. M., except Sundays.

STANDING COMMITTEES.

ON HIGH SCHOOL—Eldridge, Washburn, Bonney, Howland, Dunbar, Benjamin, Mathews, Miss Winslow.

ON GRAMMAR SCHOOLS—Washburn, Miss Winslow, Pitman, Dunbar, Mrs. Webster, Haskins, Mathews, Mrs. Stanton.

ON PRIMARY SCHOOLS—Benjamin, Miss Winslow, Pitman, Shepherd, Tompkins, Mrs. Stanton, Mrs. Borden.

ON COUNTRY SCHOOLS—Mrs. Stanton, Hillman, Mrs. Webster, Gifford, Haskins, Kennedy.

ON FARM SCHOOL—Haskins, Bonney, Washburn, Hillman, Gifford, Kennedy.

ON MILL SCHOOL—Tompkins, Howland, Shepherd, Hillman, Mrs. Webster, Mrs. Borden.

ON EVENING SCHOOLS—Hillman, Pitman, Bonney, Mrs. Borden, Haskins, Gifford, Kennedy.

ON MUSIC—Shepherd, Mathews, Pitman.

ON DRAWING—Mrs. Webster, Eldridge, Miss Winslow, Bonney, Gifford, Dunbar, Howland.

ON SEWING—Miss Winslow, Washburn, Benjamin, Shepherd, Mrs. Stanton, Mrs. Webster.

ON EXAMINATION OF TEACHERS—Eldridge, Dunbar, Washburn, Benjamin, Shepherd, Miss Winslow, Tompkins, Mrs. Stanton, Hillman.

ON TEXT-BOOKS—Pitman, Dunbar, Washburn, Mathews, Hillman, Mrs. Borden, Kennedy.

ON EXPENDITURES—Mathews, Benjamin, Dunbar, Howland, Pitman, Tompkins, Eldridge, Gifford, Peirce.

ON HOWLAND FUND—Howland, Benjamin, Mathews, Bonney, Eldridge, Tompkins, Washburn, Peirce.

ON PAY-ROLLS—Dunbar, Mathews, Tompkins.

List of Teachers.

HIGH SCHOOL.

	Residences.	Salaries.
Ray Greene Huling,	195 Cottage street,	\$2,500
Charles T. Bonney, Jr.,	95 Orchard	“ 1,600
Charles R. Allen,	1 Lincoln	“ 1,200
Sarah D. Ottiwell,	158 Middle	“ 800
Elizabeth P. Briggs,	100 Hillman	“ 800
Lydia J. Cranston,	81 North	“ 800
Mary E. Austin,	214 Kempton	“ 800
Lucretia N. Smith,	72 Foster	“ 800
Emma H. Wheeler,	2 Mt. Vernon	“ 700
Emma K. Shaw,	72 High	“ 650

GRAMMAR SCHOOLS.

FIFTH STREET :

Allen F. Wood,	298 County street,	1,700
Mary A. Kane,	127 Grinnell	“ 550
Sarah A. Carr,	56 Spring	“ 550
Sarah E. Stoddard,	352 County	“ 550
Mary E. Allen,	25 Madison	“ 550
Emma J. Ashley,	110 Fourth	“ 550
Lydia A. Macreading,	17 Bonney	“ 550
Lizzie B. Brightman,	54 Fourth	“ 550
Katharine N. Lapham,	42 North Second	“ 550
Helen L. Hadley,	196 Grinnell	“ 550
Jeannette Hunter,	55 North Sixth	“ 550
Helena Kennedy,	139 Acushnet ave.,	475

MIDDLE STREET :

	Residences.	Salaries.
George H. Tripp,	Fairhaven,	\$1,700
Katharine Commerford,	634 County street,	550
Mary R. Hinckley,	111 High “	550
Agnes J. Dunlap,	117 Hillman “	550
Clara S. Vincent,	233 Middle “	550
Hattie F. Hart,	223 Acushnet ave.,	550
Mabel W. Cleveland,	51 Summer street,	550
Lucy B. Fish,	64 Smith “	525
Mary G. Bonney,	95 Orchard “	500
Clara B. Watson,	37 Fifth “	500
Maria B. Clarke,	131 Chestnut “	475

PARKER STREET :

Charles E. E. Mosher,	92 High street,	1,700
Eliza J. D. Shepherd,	37 North Sixth “	550
Martha A. Hemenway,	37 North Sixth “	550
Helen M. Gordon,	11 Franklin “	550
Sarah L. Spare,	5 Arch “	550
S. Flora Spare,	5 Arch “	550
Anna L. Jennings,	115 Maxfield “	550
Mary A. Coddington,	78 Chestnut “	550
Emma A. McAfee,	72 School “	550
Annie W. Braley,	619 County “	550
Josephine Almy,	201 Cottage “	525
Emma C. Nash,	1121 Acushnet ave.,	525
May L. Pettey,	22 Pope street,	450

THOMPSON STREET :

George Rugg,	101 Spring street,	900
Mary A. Macy,	Bedford “	550
Abby F. Sullivan,	230 County “	550
Sarah W. Almy,	Rockdale ave.,	550

PRIMARY SCHOOLS.

THOMPSON STREET :

	Residences.		Salaries.
Helen C. Allen,	173 Grinnell	street,	\$525
Annie C. O'Connor,	299 County	"	475
Helen J. Kirk,	27 Franklin	"	475
Grace H. Potter,	4 Orchard	"	425
Sarah A. Winslow,	315 County	"	320

LINDEN STREET :

Elizabeth P. Spooner,	129 Hillman	street,	550
Lucy S. Leach,	91 Maxfield	"	475
Isabella Luscomb,	245 Cedar	"	475
Mary E. Sturtevant,	18 Parker	"	475

MERRIMAC STREET :

Sarah H. Hewins,	111 Merrimac	street,	550
Addie West,	232 Pleasant	"	475
Isadora Foster,	48 Parker	"	475
Hattie S. Damon,	78 Hillman	"	425

MAXFIELD STREET :

Mary B. White,	57 Foster	street,	550
Sarah E. Field,	240 Middle	"	475
Annie E. Pearce,	45 Sycamore	"	475
Bessie P. Nash,	1121 Acushnet ave.,		450

CEDAR STREET :

Annie S. Homer,	117 Hillman	street,	550
Abby D. Whitney,	281 Pleasant	"	475
Emma B. Allen,	94 State	"	475
Willetta B. Nickerson,	44 Kempton	"	450
Annie L. Edwards,	62 North	"	425

ACUSHNET AVENUE :

	Residences.	Salaries.
Jane E. Gilmore,	245 Acushnet ave.,	\$550
Sarah E. Kirwin,	101 South Sixth street,	475
Susan M. Lucas,	247 Fourth “	475
Mariana N. Richmond,	34 High “	475
Emma B. McCullough,	300 Purchase “	375
Carrie S. Silva,	81 Washington “	375
Lizzie E. Omev,	63 Thomas “	400

KEMPTON STREET :

Eleanor Commerford,	634 County street,	550
Bessie P. Peirce,	1 Court “	475
Kate E. Cleary,	61 Mechanics lane,	475
Ida G. Howard,	15 Morgan street,	475

WILLIAM STREET :

Abby F. Bryant,	369 Purchase street,	550
Amelia Lincoln,	87 Walden “	475
Mary J. Graham,	12 Court “	475
Clara C. M. Gage,	78 Mill “	425

FOURTH STREET :

Sarah H. Cranston,	81 North street,	550
Eliza H. Sanford,	76 Fifth “	475
Sarah E. Sears,	21 Griffin “	475
Nancy H. Brooks,	135 Fourth “	475
Annie L. Macreading,	17 Bonney “	400
Lillie C. Tillinghast,	cor. Middle & Pleasant sts.,	320

DARTMOUTH STREET :

Isadore F. Eldridge,	28 Sherman street,	550
M. Eva Schwall,	11 Bonney “	475
Sara H. Kelley,	24 Seventh “	475
Annie M. Carpenter,	2 Grape “	475

GROVE :

	Residences.	Salaries..
Jane C. Thompson,	194 County street,	\$550
Sarah E. Tuell,	350 South Water “	475
Hattie L. Finlan,	186 County “	475
Nellie W. Davis,	49 Bedford “	475
Mary Barstow,	South Orchard “	375

CEDAR GROVE STREET :

Lucy F. Clarke,	131 Chestnut street,	550
Carrie A. Shaw,	Bellville road,	425
Flora E. Estes,	535 Purchase street,	425
Emily A. Delano,	152 County “	400

ARNOLD STREET :

Susan M. Tompkins,	2 Court street,	575
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COUNTRY SCHOOLS.

ACUSHNET :

Charlotte C. Carr,	56 Spring street,	700
Selene E. Sherman,	Old County road,	375
Belle B. Wheeler,	2 Mt. Vernon street,	375

CANNONVILLE :

Jennie S. King,	124 Hillman street,	500
Addie J. McFarlin,	152 Kempton “	450

CLARK'S POINT :

Lillie B. Allen,	Fairhaven,	500
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NORTH :

Mary Ashley,	Acushnet,	525
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ROCKDALE :

Lillian L. Thomas,	Hathaway road,	400
Alice P. Terry,	“ “	320

PLAINVILLE :

	Residences.	Salaries.
Ruth A. Allen,	Plainville road,	\$375

MILL SCHOOLS.

NORTH MILL :

Emma R. Wentworth,	117 Hillman st.,	\$15.50 per wk.
Nannie P. Underwood,	83 Walden st.,	12.00 “

SOUTH MILL :

Lucy J. Remington,	493 County street,	
		\$14.00 per wk.

DRAWING TEACHERS.

Arthur J. Cumming,	Seventh street,	\$1,650
Fannie E. Ashley,	Acushnet,	40
Albert B. Drake,	cor. Fourth & School	
	streets,	\$5.00 per wk.
Edgar B. Hammond,	66 North st.,	5.00 “

SINGING TEACHER.

Fred L. Diman,	165 Middle street,	\$1,500
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SEWING TEACHERS.

Carrie H. Richmond,	33 Seventh street,	500
Eliza A. Smalley,	71 South Sixth “	200
Gertrude H. Leonard,	62 Fifth “	200

MILITARY INSTRUCTOR.

John K. McAfee,	72 School street,	150
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EVENING SCHOOLS.

NORTH EVENING :

	Salaries.
Frank T. Taylor,	\$11.00 per week.
Nathaniel W. Gifford,	8.00 “
Mrs. Ruby M. Tripp,	7.00 “
Sara L. Tallman,	6.50 “
Lillie C. Tillinghast,	6.50 “
Annie G. Brawley,	6.00 “
Abby R. Johnson,	6.00 “
Annie B. Parker,	5.00 “
Ida A. McAfee,	5.00 “
Maud Munson,	5.00 “
Mrs. M. F. Wilde,	6.00 “

SOUTH EVENING :

Oliver W. Cobb,	11.00 per week.
Mrs. S. C. Whelden,	8.00 “
Joseph P. Kennedy,	7.00 “
Mrs. Kate Johnson,	7.00 “
Chella F. Carpenter,	6.50 “
Mary Crowell,	6.00 “
Alice M. Haldsworth,	5.00 “
Susan C. Graffam,	5.00 “

CENTRAL EVENING :

Mrs. S. W. Wilde,	10.00 per week.
Cora Cleveland,	7.00 “
Kate Sweet,	6.50 “
Lena A. Chubbuck,	6.00 “

CITY OF NEW BEDFORD.

IN SCHOOL COMMITTEE,

December 9, 1887.

Voted, That a special committee, consisting of Messrs. Dunbar, Bonney and Eldridge, be instructed to prepare a memorial report upon the death of Mr. Harrington, the same to be included in the annual report of the committee.

ISAAC B. TOMPKINS, JR.,

Secy.

GEO. H. DUNBAR,

CHAS. T. BONNEY,

JOHN ELDRIDGE, JR.

HENRY FRANCIS HARRINGTON.

Born August 15th, 1814.

Died September 19th, 1887.

"Semper Fidelis."

In 1864, at fifty years of age, frail in body but fired with zeal and courage, Henry F. Harrington became the superintendent of our public schools, and took up what was to be the main work of his life; nor did he lay it down till all his work in life was done. For the past two years it was evident to those who knew him well that his health was failing fast, and when he left us about the middle of the long vacation, to visit his daughter in New Hampshire, many doubted whether he would return. It was hoped, however, that entire rest and the bracing air of the mountains would so far restore his health as to enable him to return and resume the work he had so much at heart, and which he was so competent to perform. But his work was fully done, and on the 19th of September came the news of his death. Nothing came back but the casket; the jewel was gone.

His annual Reports, which for twenty-three years followed those of the school committee, and which were so eagerly sought, so carefully read, and so widely known, will never more appear. These reports were not merely dry and uninteresting statistics, or prosy reviews of what had been done in the course of the year, or unwarranted speculations upon a millennial school system in the immediate future. He had no idea that great progress was attained without great labor, or that educational systems of any value were of mushroom growth or of ephemeral existence. His writings, therefore, were the result of careful study of all those questions upon which a healthy public instruction depend, and he discussed those questions only after having carefully revolved and considered them.

He took into his study the results of his daily experience in the schools. Consequently, whoever read him was improved by him, even though he might not always agree with him. He generally stood alone, leading all others by the boldness and originality of his thoughts, seldom suffering himself to be led by any. His reports, therefore, were appreciated for the views which they presented, and the beauty and simplicity in which they appeared.

Like other men, he made mistakes; but they were the mistakes of a thoughtful and original mind, and were no sooner seen by him in their true light than they were abandoned. He was always ready to welcome and defend the truth. He was no idle dreamer or visionary enthusiast, but a practical, rational, and accurate man. By some he was regarded as changeable, but we do not hold him so. To alter one's opinions, to vary one's methods and courses even, is not necessarily to change in any such sense as to imply fickleness or instability or want of purpose. Things appear different at different times and from different points of view. It is the part of wisdom to improve, to modify, and correct. With advancing years come clearer light and broader views. The imagination is restrained, the judgment corrected. Those who never change cannot improve. It is only folly that is fixed and stubborn. It was part of his very life to battle with error when he saw it, but he readily accepted the truth when it was made manifest to him. He could easily be convinced, but not cajoled. "Few men could strike harder blows in controversy than he, yet he had the happy faculty of winning the hearts even of those whose educational idols he demolished;" and when at last the battle of life was over, he left not an enemy in the world.

The funeral service occurred at the Unitarian chapel on the 21st of September, at noon. The room was nearly

filled by an assemblage composed of members of the school committee, teachers, clergymen, and citizens generally. The service, of a simple nature, was conducted by Rev. Wm. J. Potter, pastor of the church, who opened by reading from the burial service, interspersed by selections of scripture, and then spoke tenderly and lovingly of the deceased.

Just to his wish, said Mr. Potter, has the door of heaven opened to our friend. He had finished the year and his life-work, and although he would have worked patiently and enthusiastically if it had been needed, he went away for a rest, and has been called away to a higher one. The thing which occurs to us is that absolute rest is not what he would ask, but to enter on a larger and broader work, with freer and enlarged powers; for, slight and frail as he appeared, he was full of life and vital in every part, and the eager mind and strong purpose and heart-enthusiasm that enkindled his work pushed him on, even though his vital powers were frail. He has finished out his allotted years, and now it seems as if, with our hearts full of sympathy, we can enter with him to the rest that he has acquired—that broader, fuller freedom which he has secured.

His faculties were versatile, and the grasp of his mind broad and comprehensive. When he had passed middle life he could turn from one profession to another, and in his new field attain even higher success than at first. He has stood in his later work for a quarter of a century, with his brain touching and throbbing with those of the educators of the country. He has been a teacher and an exemplar for the teachers, and has been in and out of our public schools, meeting with the children and leading them on to higher things. So for twenty-three years his life has been full of activity. He believed in mental and moral education for youth, and sought to train their minds so that they might grow up worthy of the responsibilities

devolving upon them. So in the presence of those who have felt the presence and encouragement of his work, I am sure all will agree with what has been said.

What he was in the circle of love, friendship and home, those only know who have been the recipients of his friendship and love. For years he has borne the burdens of home, as well as partaking of its joys, with a patience that would touch all hearts if it could be told. When he saw dear ones depart and he was left alone, he turned for consolation to a higher power; and has worked on in his loneliness, looking upward for inspiration.

After all these years, we must now say farewell — not with gloom, for he would not like that, even in the presence of death, but with cheerful faces and hearts turned to the future and hopes looking to higher and nobler things. Let the work of the Lord our God be on us and in our hands as it was in his, and so shall the beauty of the Lord our God be upon us and bless us.

After prayer, the friends were invited to take a last look at the familiar features before they were shut out from view, and many availed themselves of the privilege.

At a special meeting of the School Committee, held Sept. 21, 1887, Vice-Chairman Benjamin addressed the committee as follows:

Ladies and Gentlemen of the School Committee:

We are assembled this evening not as is our usual custom, to transact ordinary business. You have been called together out of respect to the memory of our late superintendent, Rev. Henry F. Harrington, who for nearly a quarter of a century has been present at the meetings of the School Board, to aid them with his counsel and assist them in their efforts for the furtherance of the cause of education in connection with our public schools. We have to-day followed him to his last resting-place; we are still left to carry on the work in which he was so deeply interested, and which, through his faithfulness and untiring zeal, has been placed upon so high a plane.

No words of mine are needed to prove to you or to the public the

high estimation in which he was held by each and all in any way connected with the school department. Permit me to say that in his death not only has the city lost a good citizen, but the schools of this city and educational interests in this State have also lost a valuable and faithful worker, one who had the good of the cause at heart. And further than all this, we, as individuals, realize that we have each lost a good and true friend.

I will not detain you longer by remarks of mine, and therefore await any action you may see proper to take pertaining to the sad event concerning which we have met.

Mr. Bonney spoke in a feeling manner of the late Mr. Harrington, saying that he was endeared to each member of the committee. Through long official service he became endeared to us, and we are here to pay tribute to our own personal loss. He then moved that a committee of three be appointed to prepare resolutions of respect in memory of the departed superintendent, and to report the same at the next regular meeting.

At a meeting of the School Committee, held on the evening of October 3d, Dr. Dunbar, for the committee upon resolutions, reported, prefacing his report with the following remarks :

Before reading the report of the committee to whom was referred the resolutions on the death of the late Henry F. Harrington, superintendent of our public schools, I feel called upon personally to say a few words. It is not for me to pronounce his eulogy. That must be left for some other time and some fitter person. It has been my privilege to be intimately associated with him for many years. I have not failed, I could not fail, to esteem and admire him as a teacher and a man, and to love him as a friend. I should not do justice to him nor to myself if I did not feel, partially, at least, how great a loss we have sustained, or did not to the best of my ability express the same to you.

As I review his many years of devoted service I am reminded of his faithfulness in the discharge of his duties, the soundness of his judgment, his earnestness, his kind and gentle spirit.

He was a man of broad and enlightened views. He was enthusiastic, brave though weak in body, cheerful though sorely tried. I need not tell you how enthusiastic he was, how thoroughly devoted to his work, how he was both the teacher's and the scholar's friend, inspir-

ing the one with a high sense of the responsibilities of their profession, or the other with noble aims and lofty purposes.

As a writer, he was master of the art of expressing his ideas and his views. None knew better than he how to say the wise, helpful word for teachers in their work, or to declare to parents and committees the way to look at education, its daily problems and its grand results.

To illustrate the spirit with which he entered upon and performed his part, I beg leave to quote his own language from his first Report :

“The moment I became your officer I cast my lot with this community. I transferred every interest and ambition of my heart to the sphere of these new relations. I would see our schools foremost among the foremost. I would have them so celebrated that they shall be standards of emulation and competition for all the region round about us. I would have them quoted with admiration by experienced educators.”

In the same spirit he continued to the end, with what success you know. It has been suggested that the primary school about to be built should bear his name. But in his active work in promoting the highest and best methods of education, he has erected his noblest and most enduring monument.

With these remarks I respectfully submit the following preamble and resolutions as the report of the committee :

Whereas, In the death of Henry F. Harrington, who for nearly a quarter of a century was superintendent of our public schools, the city has sustained the loss of a highly valued and much honored public officer, the schools a beloved guide and teacher, the cause of education a distinguished helper, and this Board, of which he was the faithful agent and assistant, a controlling spirit through whose wise counsel our duties have been rendered less arduous and our way more clear, and

Whereas, In his death every citizen and every child has lost a friend ; therefore,

Resolved, That in appreciation of his character as a man, his faithfulness in the discharge of official duty, his large experience and ample knowledge, and the rare tact and talent with which he for so long a term carried onward and upward his great work, the Board of School Committee recommend that the City Government pay a tribute of respect to his memory by holding a suitable memorial service, which shall transmit to the coming generations of New Bedford some fitting testimonial of his noble life-work in the cause of education.

Resolved, That in each of the public schools of the city a portion of some day, to be designated by the School Committee, be set apart for such exercises as may best commemorate his services as an instructor,

his genial and pleasant intercourse with the teachers, and his loving kindness to the children.

Resolved, That the School Committee cannot do too much to honor the memory of the late Superintendent of Schools, their associate in the work of public instruction, their companion and friend; nor can they too much deplore the loss of such a man. Coming to this city with a wide and rich experience in the practical work of schools in other cities, he gave to the public schools of New Bedford the best years and the most valuable work of his eminently useful life. A fine scholar, an able writer, a profound thinker, a wise and judicious reformer, his work was not for a day, but for all time. His influence as a public educator was limited by no narrow bounds. Though his duties were here, where he devoted himself conscientiously to their discharge, no city owned him, no state appropriated him, no country set bounds to his influence and usefulness. Wherever better methods of teaching prevailed, and higher standards of education were set up, it was apparent that our late superintendent had made himself known and his influence felt. He was a public benefactor. Patient, kind and faithful, he was a bold innovator, a wise and ingenious experimenter. His Reports are a legacy, not only to this generation, but to its many successors through the long years to come.

Resolved, That with those who knew him best and loved him most, the members of the School Committee most heartily sympathize, especially with the children who survive him and most keenly feel their personal bereavement.

Resolved, That these resolutions be spread upon the records of the Board, that a copy of them be furnished to the daily papers of the city, and that a copy be sent to each of the daughters of the deceased.

Mr. Bonney then addressed the committee, as follows :

Mr. Chairman, — At the last meeting of the Board I took occasion to speak of our bereavement in the light of a personal loss of an intimate friend. To-night, in seconding these resolutions, I desire to speak of the official life and character of our late superintendent, and of the great loss that both this community and the educational world have experienced in his death.

Mr. Harrington held no ordinary position in the rank of educators. He was a leader among leaders. Coming to his tasks among us at the ripe age of fifty years, he brought to the work a mind rich in experience, a sound judgment, a brave and cheerful spirit, a gentle, winning presence, a profound conviction of the importance of his chosen field of labor, and an enthusiastic devotion to his duties.

For more than twenty-five years, as each recurring anniversary brought his annual Report, we found it replete with new thoughts

and rich in fresh valuable suggestions of improved methods of school work. In these he addressed himself not more to his immediate constituency than to the educational world. The eagerness with which these contributions to pedagogical literature were sought far and near, and their wide distribution, testify to the truth of this assertion.

One marked characteristic of Mr. Harrington was his mental receptivity. He ever welcomed new ideas in educational work. He sought advice from his corps of teachers, listened eagerly to their suggestions, analyzed them with discriminating thought, classified them in the crucible of his own keen mind, and presented them to the public moulded into forms of beauty in the brilliant language of a master in the art of expression.

He inaugurated new methods of work, particularly in our Primary schools, and always claimed that the Quincy system of object teaching, which gained so much renown, was first successfully practiced in our own public schools. His work, however, is best shown by its results, and the award made to New Bedford at the Centennial Exposition for highest excellence in school work, was a merited tribute to his faithfulness and tried ability.

Mr. Chairman, I believe that to-day no city has a more competent and faithful body of teachers than our own. No city stands higher in its educational work and its educational advantages. For these we owe a debt of gratitude to Mr. Harrington. Here stands the noblest monument to the life-work of our friend. "*Monumentum pense nius aere.*"

The resolutions were adopted by a unanimous rising vote.

MEMORIAL EXERCISES.

In the resolutions which were adopted by the School Committee, it was recommended that some day, or portion of a day, should be set apart for a Memorial Service in each of the schools, as a tribute to the memory of him who as superintendent had so long and so faithfully watched over their interests.

Accordingly, a day was appointed for the purpose, and the hour from eleven to twelve was spent in such exercises and ceremonies as would best express the love of both teachers and pupils for the memory of the good old

man who had so loved and cared for them, and their sense of the loss which they had in his death sustained.

The resolution of the Board as thus effected was surely no unmeaning ceremony, but one into which all entered sorrowfully though heartily. More than four thousand children gathered, each school in its own room, and by varied and appropriate exercises recalled the words, the life, and the character of their departed teacher, guide, and friend.

It is good that such a man as he lived. It is good that such a life and such a character are so appreciated that they cannot soon pass out of the minds and hearts of those who were most in his mind and his heart.

Nor were the children alone; the citizens also showed that they were not insensible to his earnestness and his devotion in the cause of public education. Through the children, his happy influence found its way into many homes and many hearts, and not a few wended their way to his burial place to decorate the grave which the children had already covered with the brightest and choicest flowers of Autumn.

There he lies. The flowers will fade and perish, and the snows of Winter will take their place. But he has left behind him in the hearts of the children he loved, and the people whom he served, that which will neither fade nor perish.

HIGH SCHOOL.

The exercises were in the hall in the presence of the school and a few visitors. On the platform was an excellent portrait of Mr. Harrington surrounded with a mass of beautiful chrysanthemums.

Mr. Huling's idea in having the dead speak to the school in the words of his reports was most appropriate.

Following is the programme :

- SONG. "He who hath made his refuge God."
School.
- POEM. "The Sleep." *Mrs. Browning*
Miss Louise Lawton, of Class I.
- POEM. Selection from "In Memoriam." *Tennyson*
Miss Lizzie B. White, of Class II.
- POEM. "The Deserted House." *Tennyson*
Miss Lizzie M. Carr, of Class II.
- SONG. "I asked the restless winds."
School.
- READING. The Influence of Beautiful Surroundings in School.
From the Report for 1869. *H. F. H.*
Miss Sadie Hathaway, of Class III.
- READING. "The Public Schools and Citizenship." From the
Report for 1870. *H. F. H.*
Master Frank K. Allen, of Class I.
- SONG. "Memorial Flowers."
School.
- READING. Moral Instruction. From the Report for 1880. *H. F. H.*
Miss Luella A. Warren, of Class IV.
- READING. High Schools. From the Report for 1877. *H. F. H.*
Miss Nellie B. Crapo, of Class IV.
- SONG. "Come, said Jesus' sacred voice."
School.
- READING. Results of the Public Schools. From the Report
for 1878. *H. F. H.*
Miss Lizzie Heppenstall, of Class III.
- READING. The Position of New Bedford Schools among those
of New England. Report for 1881. *H. F. H.*
Miss Lottie B. Chase, of Class IV.
- CLOSING WORDS.
The Principal.
- POEM. *Mrs. E. W. Stanton*
Miss Edith M. B. Taber, of Class I.
- SONG. "Our Father in Heaven."
School.

Mr. Huling spoke as follows :

Our service is now drawing to a close. Our affection and esteem for this dear friend have been voiced by the poets' strains. His own rich thought has found expression through the lips of these young people whom he loved. For an hour we have renewed our intercourse with him, and it has been good for us to be here. Before we separate,

let me direct your attention to certain traits in his character worthy of our admiration and our imitation.

His private life was sweet and pure and unselfish. Those who knew him best loved him most. Not all strong men are good men; but his character was both strong and good. How is it with you, my boys and girls? Are you aiming at the same shining mark? Or are there oft in your hearts unhallowed impulses that govern your acts, color your words or tinge with dark hue your thoughts? Has selfishness a leading place among your motives? Place frequently before you the picture of this right-hearted, noble-spirited, unselfish man. Let his spirit seize *your* spirit and lift you to a higher plane.

Again, our friend was a diligent, an enthusiastic worker. That frail body, throbbing with its tireless spirit, often told in speechless voice the tale of weakness and fatigue, and invited our counsel of rest. But no, no rest till his work was done. Enthusiasm is sometimes called a prerogative of youth, but in him not three score years and ten had quenched the fire of the heart or dimmed the eye of the soul. Nor was his energy a matter of fits and starts. He was persistent in his labor and ever busy. Busy in action, busy in thinking, yes, busy in framing the voice of his thought. For let me tell you a secret. Those ringing sentences, that wealth of language, were not an accidental acquirement, but the result of care and faithful pruning. He wrote and re-wrote, read and re-read, as few of you are willing to do. And the result bears out the wisdom of his method. His school reports are the best of his time; none in New England are more widely sought, secure more attention, or do more good.

Still again, he was an earnest seeker after truth. Your work will not all lie in fields like his. Whether among children, amid the marts of business, or in the quiet home, let the search for truth be a leading aim in all your thinking and your living. She leads her followers ever upward, toward the centre of all moral virtue, God himself. He was loyal to truth, and for her sake even bore reproach. Like Emerson, he thought it better to be right, than to be consistent; and with advancing years did not disdain to accept new views. This is not tickleness, but fuller knowledge and loyalty thereto. How can we grow except by change?

Mr. Harrington never seemed old in spirit. What kept him thus, through trials many and infirmities not few, always fresh and elastic, "enthusiastic as a child"? That very phrase tells all. He loved the children. Their bright faces, their expanding hearts and budding intellects, their futures so full of promise and more open to his view than to their own short foresight,—all these were a lovely picture for him. And as he gazed, he himself grew young again. Thus while he gave to you of his wisdom, his care, his very life, you all unconsciously were giving back that which warmed his heart, comforted his loneli-

ness, and cheered his solitary path adown the slope that ended at yonder grassy mound.

Let us cherish his memory, recall his words, and, above all, form our lives upon the principles that animated him. If we do this: if we strive, as he did, to make our lives innocent and wholesome; if we seek to know wisdom and pursue it; if we join a vivid enthusiasm to patient labor; then shall we build for him "a more enduring monument than bronze, and loftier than the royal structure of the pyramids." For these shall perish by the hand of time, but the form of the soul is eternal.

FIFTH STREET GRAMMAR SCHOOL.

At this school the memorial services began at 11 o'clock, and continued for more than an hour. Addresses were made by Mr. Allen F. Wood, the principal of the school, and Mr. James C. Briggs, a member of the Sub-Committee on Grammar Schools. Miss Helen L. Hadley, one of the teachers of the highest grade, read such selections from Tennyson's "Ode on the Death of the Duke of Wellington" as were particularly appropriate on this occasion. Mr. Wood read the resolutions passed by the School Committee on hearing of Mr. Harrington's death, and also read the addresses made by Dr. George H. Dunbar and Charles T. Bonney, Esq., in presenting these resolutions to the Board. At appropriate intervals the advanced class sang four beautiful hymns with titles as follows: "Come unto me when shadows darkly gather," "Submission," "God is love," and "Abide with me."

Mr. Wood spoke as follows:

Last year and for some years past, we have had with us a very feeble man as Superintendent of Schools. The School Committee and teachers have been pained to see his health steadily failing, and to realize that at no distant day his spirit would take its flight and he would be with us no more. This feeling of the teachers and committee was only an intensified form of the feeling that was experienced by a large circle of friends in the city, who have been more or less intimately associated with him during the past twenty-three years. But the end was to come, and it has come. Mr. Harrington is dead. We shall see him no more in this hall, where he has frequently been,

and in your rooms you will miss his kind, familiar face ; but from this day forward we will always cherish pleasant memories of the dear old man, and let the inspiration of his life move us onward and upward to better deeds and a nobler manhood.

It will always be a pleasant memory to me when I recall that Mr. Harrington's last public service was rendered in this hall. It was on the 30th of June, in connection with our last annual graduating exercises. He was then so weak that he had to depend upon kind friends to assist him in climbing the stairs. Yet, when he entered this hall on that occasion, weary, and worn, and sad, he had a pleasant smile for all who greeted him. He sat and listened with apparent interest to the exercises of the graduating class, even to the very last. Then came his turn. He had been designated by the Grammar Committee to make a few remarks to the pupils about to be graduated, and to present to them their diplomas. He rose in all his feebleness, and with almost superhuman effort he aroused himself to meet the emergencies of the occasion. He was equal to the task. As he addressed the class, it arose in a body, and stood in respectful silence to listen to the last public utterances of a man they had known and loved from infancy. His speech, though short, had much of its old-time fire and brilliancy, and there was no apparent lack of his usual enthusiasm. He reminded the members of the class that they were now old enough to assume responsibilities, and that they ought to do so ; that they must not expect that their parents could always care for them, or that they ought to if they could ; that, as their parents had always worked for them, they ought now to realize that they can do much to aid their parents. He reminded them that life is a grand opportunity to do good, and that they ought not to waste it. He then called the members of the class to him, one by one, and presented to each his diploma. As I look back upon this act of his, it seems as though each diploma were a dying man's benediction, bestowed with tender care upon a child over whom he had watched, and labored, and prayed.

Thus closed the public labors of the man we mourn to-day. And we can but have a peculiar interest in these memorial exercises, because of the fact that it was here in this hall that Mr. Harrington performed his last public service.

A little incident of peculiar interest on an occasion like this occurred some time ago in my reception room. I had purchased a large picture of Mr. Harrington and hung it over my desk. This is the picture here before you, and it is the first large picture of Mr. Harrington ever hung in a public school-room in this city. At the time I allude to, I had not told Mr. Harrington that I had it, thinking that I would let it greet him as a surprise some day when he should make me a visit. It had not been there long before Mr. Harrington came in, and it was to him a genuine surprise. I remember well how he stood

there before it in silence for a brief moment, and then said with considerable emotion, "I didn't know as anybody thought enough of me to buy my picture and hang it in a public place." He then ceased to speak and seated himself. I saw he was unusually affected, and did not disturb his reflections. In a moment or two he recovered perfect composure and self-control, and in very beautiful and touching language expressed his gratitude for this evidence of affectionate regard.

I wish now to say a few things about Mr. Harrington's character and habits of life and thought.

First I want to speak of him as a temperate man. He indulged in no excesses. His habits of life and living were simple. His home was plainly furnished, but was neat, ample and comfortable. He had few things in his house merely for show. I am not aware that he had any. His habits in respect to his own personal attire were the same as those manifested in furnishing his home. No expensive, gaudy suits adorned his person, but he was always clad in plain, neat, comfortable clothing. His adornments were not in his clothes, but in his head and heart. His habits of living were as plain and simple as those relating to his dress. Here, as elsewhere, he indulged in no excesses. He used no tobacco, or other narcotic, no spirituous or malt liquors, and fed himself with the plainest of wholesome foods. His temperate, sensible habits of life account in a great measure, I believe, for the great amount of intellectual work he was able to do all through his declining years, up almost to the last moments of his conscious existence.

Mr. Harrington was a religious man. He believed in the God we believe in; the God that created the earth and us. He believed that God's power was manifest in the maintenance of the world and in the preservation of its inhabitants. He believed that God's goodness was plainly seen in all his works, and especially in those economic arrangements that contribute to the happiness of man. He believed also that God, by his spirit, works in the hearts of men, to elevate their characters and ennoble their lives. His own words to me one day on this subject were these: "I believe in a change of heart by spiritual influences." And the serious, earnest enthusiasm with which he uttered these words, was a strong evidence to my mind that he was speaking from an actual experience. May it not have been so? Do we not know that he was actuated by a higher, nobler spirit than that which actuates the great mass of mankind?

Again, Mr. Harrington was affectionate in his nature. He seemed to be drawn out with a tender regard for everybody's comfort and improvement. Of course, his affectionate nature was most manifest in his intercourse with the members of his own family. Here it was that he spared not himself in caring for an invalid wife. Here it was that he guided with rare skill the education of his children, two of

whom live to mourn his departure. And here it was that motherless grandchildren found a home, a home of comfort, a home of love. No one could enter this home and remain in it any length of time without the conviction that a large-hearted, generous spirit pervaded it. But, as much as Mr. Harrington was in his own home, his home did not by any means absorb the whole of his manhood, or even any large proportion of it. His field was not his home, but his country. He seemed to feel that he belonged to no limited class of kin, wealth or power, but to his race, and his whole thought seemed to be, How can I aid in lifting the masses to higher and more ennobling lives? It was through education in public schools that Mr. Harrington saw the largest opportunity of doing good and aiding his fellow-creatures. And so it was that he threw himself with all the energy of his being into the work of developing the public schools, here and everywhere, to their highest points of usefulness. In suggesting plans for the improvement of schools, he always had a thoughtful regard for the careworn teacher, and a tender, affectionate regard for the over-worked, or the misworked, child. Both the teacher and the child felt that in Mr. Harrington he had a warm-hearted friend, and as we think of Mr. Harrington to-day we realize more than ever the great loss we have suffered.

Again, Mr. Harrington was an industrious man. Though he was feeble for many years and might well have been excused from hard, taxing efforts, he was ever at work. He seemed to abhor idleness. His work for the last quarter of a century was directed towards the improvement of public schools, and so much did he see that needed to be done, that neither day nor night did he give himself needed relaxation and rest. A method of teaching needed to be improved, and his mind was on it day and night till he had decided how in his judgment it should be modified. A vice of school management existed anywhere, and he talked and wrote about it till the vice was acknowledged and abandoned, and a rational method adopted. So it was, that, day and night, week in and week out, year in and year out, Mr. Harrington pursued one ceaseless round of toil. His efforts were bounded only by his power of endurance. The poor man now has time to rest.

Looking as we do to-day at Mr. Harrington's relentless habit of industry, I can hardly urge upon you to tax yourselves as unsparingly as he did, but I can urge you to all reasonable habits of activity, both in the development of your own intellectual powers, and in the assistance you may render to your fellow-creatures.

I can hardly close this address without speaking somewhat briefly of one more element in Mr. Harrington's character. He was an ardent lover of rational methods and a sound education. His keen intellect detected with rare discrimination the sham methods of teaching, and his facile pen attacked them vigorously, both in poignant sarcasm and

in forcible, logical reasoning. In considering some of the older and more barbarous methods, he could hardly possess his soul in patience, but with a Napoleonic vigor he made his attack, pursued the foe, and often gained a brilliant victory. I have no time to recount his attacks upon the cumbersome old geographies, the overloaded arithmetics, and the abominable histories with all their minutiae of detail; neither can I speak of his efforts to do away with the old, false methods of teaching language, and to secure better ones; nor can I tell you how he wrote and talked against the old-time examinations and marking, and the importance that was attached to them. And, further, I cannot take time to describe to you his efforts to make the teacher's work better, and to raise it in public estimation. All this must be learned from his published reports and other writings. Suffice it to say that to him, as much as to any one man, we are indebted for our modern methods of teaching and managing schools, and, in conclusion, I think it is not too much to say that there is hardly a school in the country that is not the better for the life and labors of Reverend Henry Francis Harrington.

PARKER STREET GRAMMAR SCHOOL.

The following programme was rendered by the school:

DIRGE. "Why do we mourn?"

Miss Ruth P. Almy.

PSALM CXXI.

School.

CHANT. "If I were a voice."

Fifth Grade.

READING. In Memoriam LIII.

Principal.

HYMN. "Eventide."

Fifth and Sixth Grades.

HYMN. "Cast thy burden."

Fifth Grade.

PSALM OF LIFE.

Seventh Grade.

APPROPRIATE EXCERPTS.

From members of each grade.

HYMN. Bethany.

School.

Mr. Mosher spoke as follows :

In accordance with a vote passed by the Board, we assemble here to-day to honor the memory of him, our lamented superintendent, who for twenty-three years has been to us friend, counsellor and guide; and as we think of the hundreds of children, from the thirteenth to the first grade, who to-day, at this hour, in our beloved city, join with us in these sweetly sad duties, we are reminded that of all these hundreds not one pupil met his glance when twenty-three years ago he entered on the duties of his office here; and we wonder as we question, Whither came and whither go this army of souls, whose welfare here on the shores of time, and there in the vast beyond, so nearly and dearly touched his heart and occupied his every waking hour and mingled in his nightly vigils and dreams?

His was no sad, gloomy spirit, but the soul of hearty, healthy mirth and enjoyment, and in his weakness, in his later years, there were no complaints of his condition and feelings, and if he *seemed* to be occupied with them, as he sat by your side, and you turned in sympathy to him, his eye would light up as he gave to you some new idea he had just evolved, while he sat so apparently wrapped in his own indisposition. His frail and weak body housed a dauntless tenant that was ever a leading spirit in every boyish sport and game, being ever in the thickest of a football bout or in the forefront of a college rush or prank.

He was ever uniformly kind, and never forgot to be the gentleman in his daily intercourse with his subordinates, and, when he was obliged to reprove, his manner dulled the sting, while his sympathy deepened its effect. It was my pleasure to meet him in the family circle, where all that was kind, gentle and thoughtful of others, and forgetful of self, shone forth most conspicuously, while the ever-thoughtful devotion to her whose constant suffering was his cherished opportunity, by day and by night, and his cheery tone, full of feeling, gave but a faint idea of that never-forgotten kindness of heart which ever responded to every call upon its sympathy; and his "What is it, dear?" to the little child, given in unmistakable and ever-to-be-remembered tone, reassuring and placing at its ease the trembling child, lives in many a heart to-day.

Ever from natural inclination a student, he was an omnivorous gleaner, and all was transmuted by his strong mental grasp, and became visible at an hour and at a need he ever knew would come. Such ready words, such strong words, such convincing words, and words the more to be wondered at in their effect, as given forth by a voice so weak and devoid of music in itself, which he so oft regretted, yet in its sympathy and enthusiasm ever told as his heart intended it should. Never at a loss for words, choice, fit and telling for the occasion; and

had such wealth of language been joined to a voice as rich and full, what the world of schools would have lost as an educator, the wider world would have gained as an orator.

Not only was he at home with his books, but delighted to spend the hours of his leisure in working with his tools, in the use of which he was more than commonly handy, and many a household repair, addition, and here and there an article of furniture, testified to his skill.

His twenty-three years of service in the public schools of New Bedford cover the most flourishing and progressive, if not the largest portion of their history, and those of us who have labored with him in their exaltation look back with wonder at the amount he has accomplished.

He found many things in existence here which his experience had proved detrimental to the well-being of the school system, and he hastened to relieve it of their pernicious influence and cumbersome weight. A mixed school, containing the dull, the slow, the froward alone, culled from the various sections of the city, fell under his quick sense of right, as unjust to its pupils and contrary to the laws of natural growth, where the presence of the bright, the quick, the well-disposed, stimulated the less favored to the exercise of their powers, instead of becoming more and more confirmed in their unfortunate bias, for want of something nobler to raise them to a higher level.

He found an anomaly in the system of grading, in the form of an "intermediate department," partaking of the nature of both primary and grammar grades. With sturdy blows he divided the monstrosity, relegating each portion to its appropriate sphere, while at the same time bestowing hearty and discriminating praise upon the faithful teachers who had made so incongruous a system so far successful.

Again, his quick eye spied out another weakness in the chain,—two schools, almost within a stone's throw of each other, contrary to the principle governing every other in the city, dividing brother from sister, and each claiming one sex alone, while one was periodically the scene of outbreaks, only possible from the massing of rough and turbulent spirits, wholly separated from the only element whose presence alone could prevent the occurrence of such turbulence. Earnestly he wrought till the desired change was instituted, and an equilibrium being established, the former disgraceful opposition against lawful authority became legends only of the past.

This building, crowded to its most dangerous limit, he beheld with alarm, and summoned the mayor of the city, the first *ex-officio* chairman of the Board, and one well aware of the claim of our citizens for immunity from risks to their children's lives from a conflagration in a building warmed by so complicated a system of heaters and pipes, and the result of their examinations, after almost indicting the authorities for criminal neglect in jeopardizing the lives of so many children, ter-

minated in putting into a building, although of not the most sightly appearance, yet the best arranged for grammar purposes in the city, the largest school of that grade then in the county.

The grammar and primary grades being well housed in comfortable buildings, which his own study, foresight and architectural skill helped to plan, he turned his eyes towards the High school; and behold! how goodly a structure rose as a crown to all his toil.

While the externals of his charge thus, from year to year, became better and better, the internal kept steady pace, rounded and improved by the careful revision of the whole system of instruction, to which he brought his own enthusiasm and critical knowledge, aided by the ripe experience of his teachers, who entered most heartily into the work. Thus came one of the first Manuals of Instruction in order of time and excellence, which was sought for from far and near, so long the law and controlling principle of discipline and method, and with what results see in these schools, which, though separated from his bodily presence, retain the momentum of his vitalizing influence and continue to run to-day without even the shadow of a jar.

He was no iconoclast, but no venerable institution or idol, not even gods of his own creation and setting up, were safe from his demolition or dethronement; yet was he not fickle, and though to the thoughtless or careless reader of his yearly report he seemed vacillating, yet to one who knew his yearly, almost Herculean task of harmonizing and bringing into working order elements necessarily opposite in idea and aim, and who read between the lines, there ran a strong thread of progressive consistency, which gave way for the time when it must, when overborne, but the obstacle having been surrounded, surmounted or undermined, marched on to its destined victory, conquering by patient, persistent mental power, where mere physical power fails.

Patient, gentle, enthusiastic, uncomplaining worker in this world, where such are so much needed, thy life's lesson to us is, to-day, Seek not for selfish ease and rest, but live for the betterment of those around you, that by their larger and nobler life they, in turn, may be able to hand down the blessing, broadened, deepened, and enriched; thus, while reaping no small harvest yourselves, will you help bring on that brighter day for which it is our delight as well as duty to labor. To-day you enjoy the rich fruition of the earnest efforts and sacrifices of those gone before; and while we desire you to partake to your utmost, we wish you to be mindful of the obligation you drink in, to hand down a larger, richer, purer draught, inasmuch as you have fuller opportunities than those who left their best for you, upon which to enlarge and improve.

MIDDLE STREET GRAMMAR SCHOOL.

The following programme was performed in the hall where the whole school had assembled :

SONG. "Come unto Me."

SELECTION.

School.

RECITATION. "Garlands upon his Grave."

Emma Balloch.

SONG. "One Sweetly Solemn Thought."

CLASS RECITATION.

ADDRESS.

G. H. Tripp, the Principal.

SONG. "Eventide."

School.

RECITATION. "Thanatopsis."

School.

Mr. Tripp said :

I believe that this is the first time we have all met in this hall, and now we are here for a peculiar purpose. It is very fitting that we should assemble to do honor to Mr. Harrington, a man who, though feeble in body, yet with marvellous strength of mind, had given over twenty years of his life for the children of New Bedford. Most people at your age think that a man at fifty years is very old. It is a remarkable fact in Mr. Harrington's career that when over fifty years of age, after having successfully been a minister of the gospel and an editor of a paper, he should take up what proved to be his life work, the education of children. And this was the work which made him famous. I say famous meaningly, for his influence in educational matters was not only felt in New Bedford, but all over New England. For a few years past his face has not been so familiar in our school-rooms as formerly, but his work has been none the less vigorous. In his office, day after day and night after night, even up to the last month of his life, he was busily engaged in school work. He is also known to us by his text-books. It is a wonderful fact that the text-books which Mr. Harrington wrote were all grammar school books. Harper's Elementary Geography, which almost created a revolution among the methods for teaching geography before existing, was Mr. Harrington's. His spelling-book is in many respects the best text-book ever made. When he died he was at work on another book, a history. He one day told me the plan of the work. It seemed to me most admirable. His work was also shown in a way which the teachers will appreciate, in his annual reports, which for twenty-five

years were filled with educational wisdom. Every page glitters with thoughts expressed in the choicest language. In the school-room he always had a word of encouragement and cheer, making everybody glad to see him enter the room. In his loss we all feel that we shall miss a wise counsellor, a noble educator and a true friend.

THOMPSON STREET SCHOOL.

The following programme was rendered at this school :

1. Name, date and place of birth and death, and a few other details, put on board and read by class.
2. Readings by the teacher, of the biographical accounts contained in the local newspapers and in various educational magazines.
3. Incidents of Mr. Harrington, related by members of the class.
4. Comments and additional reminiscences by the teacher.
5. Each pupil presented with an excellent wood-cut of Mr. Harrington.
6. Pupils copy on the backs of these pictures the details already on the board.
7. Singing by class.

In some rooms appropriate poems were read. No formal remarks were made, as there is no assembly hall in the building.

PRIMARY SCHOOLS.

There being no hall nor large room in the Primary schools where the children could all be assembled, the teachers of the different grades were obliged severally to conduct the Memorial Exercises in their respective rooms. Substantially the same general order was followed by all. They had the same object, were actuated by the same spirit, were warmed by the same love. To publish in detail their individual remarks and programmes would necessarily be mere repetition.

It seems better, therefore, to give only the order of exercises in each room. It was naturally the aim of the teachers to call to mind those characteristics of the man which in their intercourse with him had made the deepest impression on their own minds, giving in review such acts

and habits of his life as would most interest the children and leave upon their minds and in their hearts good and pleasing recollections.

They spoke of Mr. Harrington's work in behalf of the children, of his interest and love which led him to do so much for them, and, above all, of his heart's desire that they should grow to be good and useful men and women in their day and generation. They enlarged upon the heartiness with which he entered into and carried on his work, his devotedness thereto, his kind and genial ways, his invariable cheerfulness, his wish that the school-rooms should be made attractive, and that they should be happy in them.

The scholars were invited to tell their own simple stories, and their pleasant recollections which they recalled in connection with his visits to the schools formed one of the most interesting features of the hour.

After the exercises were over at the Dartmouth Street school, the scholars, numbering nearly two hundred, each carrying a bouquet, marched to the Rural cemetery, where the grave of our dead superintendent was strewn with the flowers in which he delighted, by the hands of the children he loved. An original hymn, composed for the occasion by Miss Sara H. Kelley, was sung.

Most of the rooms were very prettily decorated, and everything was done in such a way as would have been very grateful to Mr. Harrington, could he, as he may have, seen and known it all. His portrait, decorated with evergreens, held a conspicuous place. Brighter and more enduring than the decorations of our dead friends picture on that sad day, will be our memories of him and his long labor of love.

CEDAR GROVE STREET.

READING OF PSALM CXXI.

Miss Estes.

ADDRESS TO THE CHILDREN.

Principal.

SONG. "Jesus, Lover of my Soul."

School.

PSALM XXIII.

School.

SHORT SELECTIONS.

Children of the different grades.

SONG. "Nearer, my God, to Thee."

School.

SELECTION FROM LONGFELLOW.

Miss Delano.

SELECTION. "Farewell."

Miss Estes.

SONG. "Shall we gather at the River?"

School.

READING. Poem by Miss Kelley.

Miss Shaw.

SONG. "Sweet By-and-By."

School.

LINDEN STREET.

PRAYER IN VERSE.

School.

RECITATIONS.

Children.

READING. "The Happy Land."

Principal.

SONG. "Little Children are the Jewels."

School.

RECITATIONS OF SELECTIONS AND PROVERBS.

School.

SONG. "Bringing in the Sheaves."

School.

BRIEF SKETCH OF MR. HARRINGTON'S LIFE.

Each Teacher.

READING. "Psalm of Life."

Principal.

SONG. "Shall we gather at the River?"

School.

READING. "Burial of Moses."

Miss Luscomb.

SINGING.

READING. "Look at that Spreading Oak."

Miss Luscomb.

SINGING.

MERRIMAC STREET.

SONG. "A Wonderful House have I."

School.

SHORT SKETCH OF MR. HARRINGTON'S LIFE.

Principal.

SONG. "Gather up the Sunbeams."

School.

RECITATION. "Honest and True."

Albert Barber.

READING. "That's how."

Florence Mitchell.

RECITATION OF PROVERBS.

Tenth Grade Pupils.

SONG. "Something for Children to Do."

School.

RECITATION. "A Short Sermon."

Alice Cary.

Mamie Parsons.

READING. "Tom's Victory."

Nine Pupils of the Tenth Grade.

SONG. "I Think when I Read that Sweet Story."

School.

MAXFIELD STREET.

LORD'S PRAYER.

School.

SINGING. "Jesus Loves even me."

School.

SKETCH OF MR. HARRINGTON'S LIFE.

Principal.

RECITATION. "H. F. H."

Tenth Grade.

SINGING. "Scatter Seeds of Kindness."

School.

RECITATION. XXIII Psalm.

School.

SINGING. "Jewels."

School.

CEDAR STREET.

SONG. "Nearer, my God, to Thee."

School.

XXIII PSALM.

School.

SKETCH OF MR. HARRINGTON'S LIFE WITH APPROPRIATE REMARKS.
Teachers.

SONG. "Scatter Kind Words all around you."

School.

RECITATION. "If I were a Sunbeam."

School.

READING. "Psalm of Life."

Edith Lewis.

SONG. "Let us be Tender, Trusty and True."

School.

READING. A poem.

Miss Allen.

READING. CXXI Psalm.

REMINISCENCES OF MR. HARRINGTON'S LIFE.

Children.

SONG. "Sweet By-and-By."

School.

RECITATIONS.

School.

LORD'S PRAYER.

School.

XXIII PSALM.

School.

SONG. "Oh! how I Love Jesus!"

School.

RECITATION. "All Things Bright and Beautiful."

RECITATION. "Your Hands may be Small."

SONG. "Lead us, Heavenly Father."

School.

SONG. "We are a Band of Children."

School.

KEMPTON STREET.

XXIII PSALM.

Tenth Grade.

SHORT SKETCH OF MR. HARRINGTON'S LIFE.

Principal.

SINGING.

School.

QUOTATIONS.

Tenth Grade.

RECITATIONS.

Eleventh Grade.

SINGING.

School.

PSALM OF LIFE.

Tenth Grade.

SINGING.

School.

READING. "A Short Sermon."

Alice Cary.

Tenth Grade Pupil.

SINGING.

School.

WILLIAM STREET.

SINGING. The Lord's Prayer.

School.

XXIII PSALM.

School.

READING. CIII Psalm.

Principal.

SKETCH OF MR. HARRINGTON'S LIFE.

Principal.

QUOTATIONS.

School.

SINGING. "Sweet By-and-By."

School.

FOURTH STREET.

XXIII PSALM.

School.

SINGING.

RECITATIONS.

QUOTATIONS.

School.

SINGING.

INCIDENTS OF MR. HARRINGTON'S LIFE REMEMBERED AND TOLD.
Children.

REMARKS.

Teachers.

ACUSHNET AVENUE.

CLASS RECITATION OF PROVERBS AND MEMORY GEMS.

RECITATION. "How to Live."

DECLAMATION. "The Summons."

RECITATION. "The Loom of Life."

DECLAMATION. "One by One."

READING. "After."

READING. "Psalm of Life."

SKETCH OF MR. HARRINGTON'S LIFE.

SINGING.

GROVE.

SINGING. "Beautiful Home above."

School.

SKETCH OF MR. HARRINGTON'S LIFE.

Teacher.

REMINISCENCES OF MR. HARRINGTON'S LIFE.

Children.

APPROPRIATE SELECTIONS.

LINES COMPOSED BY MISS FINLAN, READ TO THE TWELFTH GRADE.

SINGING.

THOMPSON STREET.

APPROPRIATE REMARKS.

Principal.

REMINISCENCES OF MR. HARRINGTON'S LIFE.

Children.

ARNOLD STREET.

READING SELECTIONS FROM THE PSALMS.

REPEATING SELECTIONS FROM THE PSALMS.

REPEATING THE LORD'S PRAYER.

SINGING.

REMARKS.

SINGING.

DARTMOUTH STREET.

PSALM I.

School.

SCRIPTURE SELECTIONS.

Each Child.

ACCOUNT OF MR. HARRINGTON'S LIFE.

Principal.

SINGING.

School.

POETICAL QUOTATIONS.

Children.

POEM.

Teacher.

SINGING.

PROCESSION FORMED AND MARCHED TO MR. HARRINGTON'S GRAVE
IN RURAL CEMETERY.

SONG.

GRAVE DECORATED.

SONG. Composed by Sara H. Kelley.

School.

NORTH MILL.

REMARKS.

Principal.

CXXI AND XXIII PSALMS.

School.

REMINISCENCES OF MR. HARRINGTON'S LIFE.

Children.

EXTRACTS FROM ANNUAL SCHOOL REPORTS.

SINGING.

READING. "Life's Journey."

Principal.

APPROPRIATE REMARKS.

SOUTH MILL.

REMARKS.

Principal.

EXTRACTS FROM ANNUAL SCHOOL REPORTS.

REMINISCENCES OF MR. HARRINGTON'S LIFE.

Scholars.

ACUSHNET.

SINGING.

SELECTION FROM THE BIBLE.

REMINISCENCES.

READING. "Psalm of Life."

REMARKS ON MR. HARRINGTON'S LIFE.

Principal.

READING. "He Giveth His Beloved Sleep."

CANNONVILLE.

XXIII PSALM.

School.

SINGING. "God is Love."

School.

QUOTATIONS.

SINGING. "Jesus Shepherd of the Sheep."

School.

REMARKS.

Principal.

SINGING. "He Helpeth and Watcheth us."

School.

ROCKDALE.

SINGING.

School.

XXIII AND CXXI PSALMS.

School.

READING. "Lines to the Memory of Thomas Shipley."

Principal.

APPROPRIATE REMARKS.

Principal.

SINGING.

CLARK'S POINT.

INCIDENTS FROM MR. HARRINGTON'S LIFE.

RECOLLECTIONS OF MR. HARRINGTON'S LIFE.

Written and read by the Children.

APPROPRIATE REMARKS.

Principal.

QUOTATIONS.

School.

At a meeting of the City Council held Nov. 25th, 1887, a special committee of that body having charge of a proposed memorial in honor of Henry F. Harrington, made the following report, which was ordered to be spread upon the records :

The Special Committee to whom was referred the resolution of the School Committee recommending some action on the part of the City Council as a memorial of the life and services of Henry F. Harrington, deceased, late Superintendent of the Public Schools of New Bedford,

beg leave to make the following report in conjunction with a special committee from the School Board that was appointed by that body to confer with us.

Your committee feel that it is well nigh impossible to add, by further public ceremony, anything to what has been said and done in honor of the memory of Mr. Harrington, all of which was most eminently deserved. For if a life of earnest devotion to duty, consecrated to the work of stimulating the youth to higher mental attainments and a nobler life, was ever worthy of hearty recognition, the life of Mr. Harrington can fairly claim such a tribute.

But the very appropriate action of the School Committee, of which body he was the honored and faithful Secretary for so many years; the more recent memorial exercises held in our various public schools, over which, as Superintendent, he had watched with almost parental affection and care for a quarter of a century, and the further fact that the educational journals throughout the country have so universally referred to his death in terms of esteem and mournful eulogy, all confirm us in the belief that additional public recognition of his services in the cause of education would be idle. His services in that regard have made his name immortal. Nominally he was Superintendent of the Public Schools of this city only. Practically he was Superintendent of Schools of the whole continent. His earnest thought, noble ideas and advanced views on all matters pertaining to our system of education were eagerly sought, read and published throughout the land. He thought and wrote for mankind, and combined with the beauty of thought was the elegance of diction which gave to all his writings such a fascination and charm.

Fortunate was the city that so long had the benefit of his varied learning, wide experience and manly life, and your committee take great pleasure in indorsing all that has been said in praise of Henry F. Harrington, both as a scholar and a man.

For the Committee.

WENDELL H. COBB, Chairman.

For the Committee.

GEORGE H. DUNBAR,
Chairman.

1888—CITY DOCUMENT No. 7.

NINTH ANNUAL REPORT

OF THE

BOARD OF HEALTH

OF THE

CITY OF NEW BEDFORD,

TO THE

City Council,

FOR THE YEAR 1887.

NEW BEDFORD:

E. ANTHONY & SONS, CITY PRINTERS,

1888.

REPORT.

To the City Council of the City of New Bedford:

Members of the Board are as follows: James D. Thompson, term expires Feb. 1888; William N. Swift, City Physician, Physician to the Board, and Quarantine Physician, term expires Feb. 1889; Nathaniel Hathaway, term expires Feb. 1889.

Feb. 7, 1887. The Board was organized this day, as follows: James D. Thompson, Chairman; William N. Swift, City Physician, Physician to the Board, and Quarantine Physician; William E. Macomber, Health Inspector.

Feb. 19. Notified Isaac C. Sherman of a nuisance under his barn, caused by his keeping swine and feeding on swill, which is very offensive to those residing in the vicinity. The yard is also in a very filthy condition, which he is directed to clean up, and in the future no swine to be allowed on the premises.

Feb. 24. This day ordered Abbott P. Smith to abate a nuisance on his premises, 297 South Water street, within twenty-four hours, under a penalty of a process at law.

March 18, 1887. The following order passed this day: *Ordered*, That no swill or other offal shall be allowed to be deposited in any privy vault within the limits of the city. If any violation of this order comes to the knowledge of the Board, measures will at once be taken to have the vault thoroughly cleansed at the expense of the owner or occupant.

April 9. Notified Abbott P. Smith of a nuisance on

his property on Blackmer and First streets, and ordered the same abated forthwith.

April 16. This day voted to direct the Health Inspector to employ Edgar H. Gammons to thoroughly cleanse the vaults of the tenements of Abbott P. Smith, on First and Blackmer streets, at said Smith's expense.

April 26. Passed the following order : *Ordered*, That all privy vaults and cesspools be thoroughly cleansed at least once in each year, and oftener if necessary. The price to be paid for removing the deposit, all that can be bailed out, to be paid by the owner of the property, as heretofore established. For removing the solid contents, the price to be agreed upon by the owner and the person licensed for the purpose of emptying privy vaults and cesspools.

April 27, 1887. Passed the following order : *Ordered*, That all vessels arriving from foreign ports, between the first day of May and the first day of November, 1887, go into quarantine and remain until visited by the Quarantine Physician, and by him allowed to enter the upper harbor. All pilots are required to be governed by this order.

May 17. Gave James Groat orders to cleanse his privy vaults, No. 129 State street, and gave him four days to do the work, after which he was to suffer the penalties of the law. Also similar order to James T. Wilbur, on his premises 712 Acushnet avenue, and North Front street, within forty-eight hours. Also Francis W. Hammond, premises No. 12 Washburn street, and No. 2 Rock street, and gave him four days to do the work.

May 25. *Ordered*, That a suit be commenced against James Groat for non-compliance with order given him by this Board, May 17, 1887, in relation to a nuisance on his premises 129 State street.

June 3. *Voted*, That the order recorded May 25, 1887, in relation to the nuisance on James Groat's property, be

amended as follows: *Voted*, That in the opinion of the Board of Health a nuisance, source of filth, and cause of sickness, exists on the premises of James Groat, No. 129 State street; that the chairman of this Board, James D. Thompson, be instructed to commence a suit at law, or criminal prosecution, against said James Groat, for non-compliance with an order given said Groat by authority of this Board, dated May 17th, 1887, in relation to a nuisance on the premises of said James Groat, No. 129 State street.

June 4, 1887. Gave Lorenzo D. Bennett orders to abate a nuisance on his premises No. 69 Linden street, within forty-eight hours. Also gave James T. Wilbur order to abate a nuisance on his property on North Front street.

June 9. Gave James Groat order to abate a nuisance on his property 134 Fourth street, and gave him four days to do the work.

June 10, 1887. Gave Timothy McCarthy notice of a nuisance on his premises on Wamsutta street, in rear of 614 Purchase street, and gave him four days to abate the same.

June 11. Gave Clark Green an order to remove a nuisance on his premises south side of Shepherd's lane, for keeping swine contrary to law.

June 24. Gave Sampson S. Wordell order to cleanse his privy vault, 65 Maxfield street, within forty-eight hours.

July 12. The following order was adopted this day: *Ordered*, That all vehicles used for the transportation of swill, soap grease, bones, or any other offal, through the streets, shall have the contents inclosed in tight barrels or boxes covered, so as to prevent the odor arising therefrom, and while loading to remain in the streets as short time as possible. This order will be strictly enforced.

Aug. 8, 1887. Gave William Jordan notice of a nui-

sance on his premises No. 563 Acushnet avenue, also 567 same avenue, and gave him forty-eight hours to abate the same.

Aug. 19. Gave James Groat notice of a nuisance on his premises corner of State and Penniman streets, consisting of overflowing privy vaults; ordered it abated within forty-eight hours.

Aug. 26. Voted to direct the Health Inspector to employ suitable persons to abate the nuisance on William Jordan's property, No. 563 and 567 Acushnet avenue, the expense to be charged to the owner of the estate.

Aug. 31. *Ordered*, That in consideration of the number of cases of diphtheria in the north section of the city at the present time, the Board of Health has thought it necessary to pass the following order: *Ordered*, That the following named schools shall not be opened until such time as permission shall be granted by the Board of Health, viz.: Cedar Grove, Parochial, Parker street, French, Linden street, Merrimac street.

Sept. 23. The following was passed by the Board this day: The order passed by this Board Aug. 31, 1887, directing the closing of the following schools, viz., Cedar Grove, Parochial, Parker street, French, Linden street, Merrimac street, is hereby rescinded. Extra care should be observed as to admitting children from the infected district until all have recovered and the premises are thoroughly cleansed.

Sent the above notice to the school committee.

Sept. 24. Notified Abiathar Rogers of a nuisance on his premises No. 246 State street, which was ordered abated. Also informed James Groat of a nuisance on his premises No. 129 State street.

Oct. 13. Gave notice to Herbert A. Jenney of a nuisance on his premises No. 101 North Water street, and gave him forty-eight hours to abate the same.

Oct. 19. Gave Rodolphus Beetle a notice of a nuisance on his property No. 3 Durfee street, consisting of overflowing cesspool and defective drainage, which was ordered abated at once.

Oct. 24. Asked the City Government to allow the Board of Health to expend such sums of money as may be necessary to employ such "subordinate officers, agents and assistance," as may be necessary during the prevalence of contagious diseases in the city.

Nov. 1. Gave notice to Charles Crapo, agent, of a nuisance on his premises No. 66 Dartmouth street, consisting of overflowing cesspool and filthy cellar. Gave him forty-eight hours to abate the same.

Nov. 21. Gave notice to James Groat of a nuisance on his premises No. 610 Purchase street, consisting of overflowing cesspool and filthy premises. Gave him forty-eight hours to attend to the same.

Whole number of deaths since the formation of the Board :

1879.	1880.	1881.	1882.	1883.	1884.	1885.	1886.	1887.
683	621	546	606	573	598	732	674	783

The percentage of deaths for the year was $23\frac{44}{1000}$ per thousand; population, 33,393.

The number of permits for emptying privy vaults and cesspools was 64.

Forty-four permits were given for interments at the several cemeteries.

The number of nuisances examined by our inspector was two hundred and thirty-eight. The most of them have been abated without recourse to law.

The Quarantine Physician's report, together with his report as City Physician, is as follows :

REPORT OF THE CITY PHYSICIAN.

DEATHS REPORTED TO THE BOARD OF HEALTH FOR THE
YEAR 1887.

DISEASES.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Abscess of ear, .....	..	..	..	..	..	..	..	..	..	..	1	..	1
Accident, .....	..	..	..	1	..	..	..	..	1	..	..	..	2
Anæmia, .....	..	..	1	..	1	..	..	..	..	..	..	..	2
Aneurism, .....	..	..	..	1	..	..	..	..	..	..	..	..	1
Alcoholism, .....	..	..	..	1	..	..	1	..	..	1	1	..	4
Apoplexy,	5	2	7	4	1	2	1	..	3	4	2	3	34
Asthma, .....	..	..	..	..	..	..	1	1	..	..	..	..	2
Asthenia, .....	..	1	..	..	..	..	..	..	..	..	..	..	1
Atelectasis pulmonum, .....	..	..	2	1	1	..	..	2	1	..	..	1	8
Bright's disease,	1	..	4	2	4	1	2	1	2	1	3	..	21
Capillary Bronchitis,	2	..	2	1	..	..	1	..	..	1	..	..	7
Cancer,	3	..	2	2	2	1	1	1	1	1	..	3	17
Cancer of liver, .....	..	1	..	..	1	1	..	..	..	1	..	1	5
Cancer of mouth, .....	..	..	..	..	..	..	..	..	..	1	..	..	1
Cancer of stomach, .....	..	1	..	1	1	1	..	..	..	1	..	..	5
Cancer of uterus, .....	..	..	..	1	..	..	..	..	..	..	1	..	2
Cholera infantum, .....	..	..	..	..	..	1	1	1	2	..	..	..	25
Cholera morbus, .....	..	..	..	..	..	..	1	..	..	..	..	..	1
Congestion of brain, .....	..	..	..	..	1	..	..	1	..	..	..	..	2
Congestion of lungs, .....	..	2	3	..	..	..	..	..	..	..	..	..	5
Consumption of lungs,	2	9	13	6	8	10	8	7	7	6	4	4	84
Convulsions,	2	2	2	1	3	5	4	2	1	2	1	3	28
Convulsions puerperal, .....	..	..	..	..	..	..	1	..	..	..	..	..	1
Croup,	2	..	2	..	..	..	..	1	3	1	2	3	14
Cyanosis, .....	..	..	1	..	..	1	..	..	..	..	..	..	2
Debility,	2	1	4	1	3	3	16	6	2	9	1	3	51
Diabetes, .....	..	..	..	2	..	..	..	..	..	1	..	..	3
Diphtheria, .....	..	..	2	1	..	1	..	9	14	13	8	18	66
Disease of the brain,	1	..	..	..	..	..	..	1	1	..	..	..	3
Disease of the heart,	5	1	6	4	3	7	1	3	6	9	4	3	52
Disease of the liver, .....	..	..	..	..	..	..	..	..	..	..	1	1	2
Disease of the stomach, .....	..	..	..	..	..	..	..	1	..	..	..	..	1
Drowned, .....	..	..	..	..	1	1	..	..	..	..	..	..	2
Dysentery, .....	..	..	..	1	..	..	1	4	..	..	..	..	6
Empyema, .....	..	..	..	..	1	..	..	..	..	..	..	..	1
Erysipelas, .....	..	1	..	..	..	..	..	..	..	..	..	..	1
Enterocolitis, .....	..	1	..	..	..	..	5	5	3	1	1	..	16
Enteritis, .....	..	..	..	..	..	..	4	6	..	..	..	1	11
Fever, brain, .....	..	..	..	1	..	..	..	..	..	..	..	..	1
Fever, septic, .....	..	..	..	1	1	..	..	2	..	..	..	..	4
Fever, scarlet, .....	..	1	..	..	1	1	..	..	1	1	1	..	6
Fever, typhoid, .....	..	1	..	..	..	..	..	1	2	1	1	..	6
Fracture of skull,	1	..	..	..	..	..	..	1	1	..	..	..	3
Gangrene senile, .....	..	1	1	2	..	..	1	..	..	..	..	..	5
Gastritis, .....	..	..	..	..	1	..	..	..	1	..	..	..	2
Gastro enteritis, .....	..	..	..	..	..	..	..	2	2	..	..	..	4
Hernia, .....	..	..	..	..	..	1	..	..	..	1	..	..	2

DEATHS REPORTED—*Continued.*

DISEASES.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Hemorrhage, .....	..	..	..	..	..	..	..	1	..	..	..	..	1
Hemorrhage of bladder, .....	..	..	1	..	..	..	..	..	..	..	..	..	1
Hemorrhage of lungs, .....	..	1	..	..	2	..	..	..	..	..	..	1	4
Hydrocephalus, .....	..	..	2	..	..	..	3	1	2	..	1	..	9
Inflammation of bronchi,	1	4	3	6	2	..	1	..	1	1	2	..	21
Inflammation of peritoneum,	2	..	3	2	2	1	..	1	1	1	..	2	15
Inflammation of pleura, .....	..	..	..	..	..	1	..	..	..	..	..	..	1
Intestinal obstruction, .....	..	..	..	1	..	..	..	1	1	..	..	1	4
Laringitis stridulous, .....	..	..	..	..	1	..	1	..	..	..	..	..	2
Malformation, .....	..	..	..	..	..	..	..	..	..	..	..	1	1
Marasmus,	2	..	..	..	1	..	..	1	1	..	..	..	5
Measles, .....	..	..	..	..	..	3	3	1	..	..	..	..	7
Meningitis,	1	3	3	2	1	3	1	5	2	2	2	2	27
Meningitis, tubercular, .....	..	..	..	..	2	..	..	1	1	..	..	..	4
Old age,	4	3	5	3	..	2	3	1	3	7	4	6	41
Oedema of lungs, .....	..	..	..	..	..	..	..	..	..	..	..	1	1
Paralysis,	1	2	1	..	1	1	3	3	2	1	3	4	22
Pemphigus neonatorum,	1	..	..	..	..	..	..	..	..	..	..	..	1
Pneumonia,	8	10	12	1	7	6	2	1	1	1	2	2	54
Pneumonia, broncho, .....	..	1	2	..	..	..	..	..	..	..	..	..	3
Progressive locomotor ataxia, .....	..	..	..	1	..	..	..	..	..	..	1	..	2
Premature birth,	1	..	..	..	..	..	1	2	..	..	..	..	4
Puerperal septicæmia, .....	..	1	1	..	..	..	..	..	2	..	..	..	4
Rheumatism, .....	..	..	1	..	1	..	..	1	..	..	1	..	4
Sclerosis of cord,	1	..	1	..	..	..	..	..	..	..	..	..	2
Suffocation by coal gas, .....	..	1	..	1	2	..	..	..	..	..	..	..	4
Suicide, .....	..	..	1	..	1	..	..	..	1	1	..	..	4
Syphilis, .....	..	..	..	1	..	..	..	..	..	..	..	..	1
Tabes mesenterica, .....	..	..	..	..	..	..	1	1	..	1	..	..	3
Tuberculosis, .....	..	..	..	1	..	2	..	..	..	..	..	..	3
Unknown, .....	..	..	..	..	1	..	1	1	1	..	..	..	4
Ulcer of stomach, .....	..	..	..	..	..	..	..	1	..	..	..	..	1
Whooping cough, .....	..	1	..	..	..	..	..	..	..	..	..	..	1
Whole number of deaths,	48	52	88	53	59	56	79	92	73	70	49	63	783
Deaths under five years of age, ..	17	23	28	11	21	23	50	56	26	29	16	23	323
Still-born,	4	1	2	1	3	3	2	5	3	5	4	3	36

REPORT OF CASES OF CONTAGIOUS DISEASES FOR THE YEAR 1887.

DISEASES.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Diphtheria,	2	2	9	4	2	1	5	26	55	39	37	59	241
Scarlatina,	2	4	8	9	15	7	7	9	5	4	8	14	92
Typhoid fever,	5	1	3	2	2	1	1	5	11	9	4	1	43

DEATHS FROM CONTAGIOUS DISEASES FOR THE YEAR 1887.

DISEASES.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Total.
Diphtheria,	2	1	..	1	..	9	14	13	8	18	66
Scarlatina,	1	..	..	1	1	..	..	1	1	1	..	6
Typhoid fever,	1	..	..	..	..	..	1	2	1	1	..	6

Since the latter part of August diphtheria has been prevalent in this city. It was thought best that the public schools should not be opened at the usual time. Danger signals were posted on houses where cases existed, but as the number of cases increased more active measures were thought necessary.

On September 21st the Board employed George G. Cassidy as their special agent, to keep a record of all cases of diphtheria, and to take charge of the disinfection of houses. He has been acting in this capacity since that time. His duty has been to visit each case as soon as it has been reported, and to keep run of its progress afterwards; to take the names of all school children living in the house, and these children have immediately been excluded from the public, parochial, or French schools; to take charge, as far as possible, of the sanitary arrangements while the case is going on, and to thoroughly disinfect the premises after the recovery or death of the patient.

For disinfection, sulphur has been used. Five pounds have been burnt in an ordinary tenement, and the house closed for five hours. The privies are also disinfected with carbolic acid.

There have been two houses where cases have recurred after such disinfection.

One hundred and eight houses have been disinfected.

WILLIAM N. SWIFT,
City Physician.

REPORT OF NEW BEDFORD QUARANTINE FOR
1887.

From May 1st to November 1st, 1887, boarded 31 vessels arriving from foreign ports.

No vessels were detained in quarantine, as they brought no cases of contagious diseases.

WILLIAM N. SWIFT,
Quarantine Officer.

JAMES D. THOMPSON, } Board
WILLIAM N. SWIFT, } of
NATH. HATHAWAY, } Health.

IN BOARD OF ALDERMEN,
Feb. 9, 1888.

Received, ordered printed in the City Documents, and
sent down for concurrence.

D. B. LEONARD,
City Clerk.

IN COMMON COUNCIL,
2 mo. 9, 1888.

Concurred.

WM. A. MACKIE,
Clerk.

1888—CITY DOCUMENT No. 8.

THE
AUDITOR'S ANNUAL REPORT

OF THE
RECEIPTS AND EXPENDITURES

OF THE
City of New Bedford,

INCLUDING
Report of City Treasurer and Collector of Taxes,
FOR THE YEAR 1887.

NEW BEDFORD:
E. ANTHONY & SONS, CITY PRINTERS.
1888.

CITY OF NEW BEDFORD,
OFFICE OF THE CITY AUDITOR,
February 18, 1888.

To the Honorable the City Council of New Bedford:

GENTLEMEN, — Herewith I have the honor to submit the annual Report of all the Receipts and Expenditures of the city for the financial year ending on the first Monday in January, 1888, together with a statement of the city debt, a schedule of the real and personal property belonging to the city and the estimated value thereof, and such other statements as I have deemed of interest.

Very respectfully,

WILLIAM B. TOPHAM,
City Auditor.

AUDITOR'S REPORT.

JAMES H. HATHAWAY, ESQ.,
CITY TREASURER,

DR.

1887, Jan. 5. To balance of cash,		\$4,050.62
Appropriations, general, 1885,	\$36,651.27	
" " 1886,	68,579.53	
" " 1887,	487,137.44	
" special, 1886,	50,000.00	
Cemeteries,	4,135.00	
Cemetery Funds,	1,530.00	
Com. of Mass., Chap. 252,	3,062.83	
" " 301,	3,229.50	
Fire Department,	392.85	
Free Public Library, Trustees,	3,248.00	
" " Dog Fund,	794.99	
Highways and Streets,	12,508.48	
Incidentals,	642.34	
N. B. School Committee, (Howland Fund,)	3,000.00	
" " (Jona. Bourne Prize Fund,)	1,013.17	
N. B. Water Works,	51,178.23	
Police Department,	4,397.41	
Poor Department,	9,671.30	
Public Debt,	22.37	
Public Schools, Incidentals,	6.71	
" " Repairs of Buildings,	18.88	
" " Dog Fund,	795.00	
Real Estate Tax Account,	255.71	
Repairs of City Property,	29.08	
Sewers, General Account,	6,502.08	
" Blackmer Street,	9.96	
" Division Street,	342.93	
" Rockland Street and connections,	19.50	
Temporary Loan,	433,000.00	
Unappropriated Funds,	82,604.15	1,264,778.71
		<u>\$1,268,829.33</u>

AUDITOR'S REPORT.

IN ACCOUNT WITH THE
CITY OF NEW BEDFORD.

CR.

Cemeteries,	\$13,695.78
City Stable and Lot,	9,352.85
Com. of Mass., Chap. 252,	6,656.33
" " 301,	3,264.50
" Bank Tax Account,	50,879.95
Court Street School-house and Lot,	4,500.00
Fire Department,	30,898.88
Free Public Library,	5,324.85
" " Trustees,	4,349.55
" " Dog Fund,	772.50
Highways and Streets,	91,493.75
Incidentals,	42,200.95
Lighting the Streets,	27,010.40
N. B. & Fairhaven Bridge,	3,350.99
N. B. School Committee, Howland Fund,	3,039.69
N. B. Water Works,	67,528.42
Police Department,	49,436.05
Police Station and Lot, Bowditch and Weld sts.,	5,146.28
Poor Department,	42,616.96
Public Debt,	116,379.17
Public Schools, Incidentals,	23,480.44
" " Pay of Teachers,	75,473.10
" " Repairs of Buildings,	3,769.81
" " Dog Fund,	1,079.51
Real Estate Tax Account,	479.52
Repairs of City Property,	4,568.64
Salaries,	13,940.00
Sewers, General Account,	21,911.85
" Acushnet Avenue, No. 4,	287.83
" Allen Street, No. 2,	673.51
" Austin Street, No. 3,	554.69
" Blackmer Street,	525.58
" Bonney Street,	5,590.42
" Chestnut Street,	108.60
" Coggeshall Street,	5,290.45

Sewers, Cottage Street,	1,518.51	
“ County Street,	188.13	
“ Division Street,	23.56	
“ Delano Street,	380.26	
“ Oak and Grape Streets,	14,705.10	
“ Pearl and Willis Streets extension,	475.50	
“ Rockland Street and connections,	328.38	
“ South Street,	1,053.15	
“ South Front Street,	886.76	
“ Tremont Street,	1,043.12	
“ Union Street,	3,120.95	
“ Warwick Street,	157.38	
“ Weld Street,	610.16	
Sinking Funds,	14,600.00	
Temporary Loan,	470,000.00	
Truant School,	2,422.17	
Union Street Extension,	4,139.99	\$1,251,284.92
Balance, Cash in Treasury,		17,544.41
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		\$1,268,829.33

RECEIPTS AND EXPENDITURES IN DETAIL.

SALARIES.

DR.

Morgan Rotch, Mayor,	\$1,500.00	
James H. Hathaway, Treasurer and Collector,	2,400.00	
Daniel B. Leonard, City Clerk,	1,000.00	
William B. Topham, City Auditor,	1,000.00	
Lemuel Le B. Holmes, City Solicitor,	204.17	
Arthur E. Perry, City Solicitor,	495.83	
Jireh C. Sherman, Sealer of Weights and Measures,	365.00	
David B. Willcox, Chairman of Assessors,	850.00	
Charles D. Tuell, Assessor,	600.00	
William A. Russell, Assessor,	600.00	
William A. Mackie, Clerk of Common Council,	200.00	
Augustus D. Piper, City Messenger,	600.00	
Isaac Barnes, Bell Ringer,	125.00	
Clifford Baylies, Superintendent City Clock,	75.00	
Henry L. Pitman, Harbor Master,	125.00	
Samuel H. Damon, Inspector of Milk and Provisions,	600.00	
Frederick Macy, Inspector of Buildings,	200.00	\$10,940.00

BOARD OF HEALTH:

James D. Thompson,	\$300.00	
Robert W. Taber,	30.36	
Nathaniel Hathaway,	269.64	
Dr. W. N. Swift,	300.00	900.00

REGISTRARS OF VOTERS:

Humphrey Gifford, Jr.,	\$133.33	
Herbert A. Blackmer,	266.67	
Thomas F. Desmond,	400.00	
Emanuel Sullavou,	400.00	
Daniel B. Leonard, Secretary,	300.00	1,500.00

Amount carried forward,		\$13,340.00
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Amount brought forward,	\$13,340.00
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BOARD OF ALDERMEN:

Simeon Hawes,	\$100.00	
Charles W. Coggeshall,	100.00	
Charles S. Ashley,	100.00	
Edward T. Pierce,	100.00	
Wendell H. Cobb,	100.00	
Monroe Holcomb,	100.00	600.00
		<u>\$13,940.00</u>

CR.

By appropriation,	\$13,940.00
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APPROPRIATIONS, GENERAL, 1887.

DR.

To Cemeteries,	\$1,500.00	
Com. of Mass., Chap. 252,	3,300.00	
Discount for prompt payment of taxes,	10,000.00	
Fire Department,	30,500.00	
Free Public Library,	5,100.00	
Highways and Streets,	74,000.00	
Incidentals,	18,359.00	
Lighting the Streets,	26,000.00	
N. B. & Fairhaven Bridge,	1,000.00	
N. B. Water Works,	12,000.00	
Police Department,	42,500.00	
Poor Department,	35,000.00	
Public Debt,	115,401.00	
Public Schools, Incidentals,	22,000.00	
" " Pay of Teachers,	75,000.00	
" " Repairs of Buildings,	3,000.00	
Repairs of City Property,	3,500.00	
Salaries,	13,940.00	
Sewers, General Account,	1,000.00	
Sinking Funds,	14,600.00	
Truant School,	2,000.00	\$509,700.00

CR.

By Discount Appropriation,	\$10,000.00	
Collector, Taxes of 1887,	460,214.62	\$470,214.62
State Corporation Tax,	\$25,000.00	
State Tax on ships in foreign trade,	1,922.82	26,922.82
1888, Jan. 5. By balance,		12,562.56
		<u>\$509,700.00</u>

DR.

1888, Jan. 5. To balance,	<u>\$12,562.56</u>
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APPROPRIATIONS, GENERAL, 1886.

DR.

1887, Jan. 5. To balance,		\$77,032.14
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CR.

By Collector, Taxes of 1886,	\$5,201.23	
" " 1885,	2.00	
" " 1884,	2.00	\$5,205.23
By State, Corporation Tax,	\$30,000.00	
" Bank Tax,	33,374.30	63,374.30
		<hr/>
		\$68,579.53
1888, Jan. 5. By balance,		8,452.61
		<hr/>
		\$77,032.14

DR.

1888, Jan. 5. To balance,	\$8,452.61
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APPROPRIATIONS, GENERAL, 1885.

DR.

1887, Jan. 5. To balance,	\$36,651.27
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CR.

By Collector, Taxes of 1885,	\$2,571.12	
" " 1884,	213.02	
" " 1883,	163.48	
" " 1882,	65.25	
" " 1881,	2.00	\$3,014.87
By State, Corporation Tax,	\$30,000.00	
" Bank Tax,	3,616.88	
" Balance of tax on ships in foreign trade,	19.52	33,636.40
		<hr/>
		\$36,651.27

APPROPRIATIONS, SPECIAL, 1887.

DR.

To Cemeteries,	\$8,200.00	
City Stable and Lot,	23,252.85	
Court Street School-house and Lot,	4,500.00	
Highways and Streets,	5,000.00	
N. B. & Fairhaven Bridge,	2,200.82	
Police Station and Lot, Bowditch and Weld sts.,	350.00	
Public Schools, Incidentals,	1,500.00	
" " Pay of Teachers,	475.00	
" " Repairs of Buildings,	1,000.00	
" " Parker St. Heating Apparatus,	2,000.00	
Repairs of City Property,	800.00	
Union Street Extension,	4,139.99	\$53,418.66
Sewers, General Account,	\$12,114.66	
" Acushnet Avenue, No. 4,	277.87	
" Allen Street, No. 2,	651.86	
" Austin Street, No. 3,	600.00	
" Blackmer Street,	525.58	
" Bonney Street,	5,589.17	
" Chestnut Street,	200.00	
" Coggeshall Street,	5,290.45	
" Cottage Street,	1,511.48	
" County Street,	188.13	
" Delano Street,	380.26	
" Oak and Grape Streets,	13,700.00	
" Pearl and Willis Streets, extension,	400.00	
" Rockland Street and connections,	308.88	
" South Street,	1,500.00	
" South Front Street,	886.76	
" Tremont Street,	1,043.12	
" Union Street,	3,120.95	
" Warwick Street,	300.00	
" Weld Street,	553.71	\$49,142.88
		<u>\$102,561.54</u>

CR.

By Transfer from Unappropriated Funds,	\$48,263.42	
1888, Jan. 5. By balance,	54,298.12	\$102,561.54

DR.

1888, Jan. 5. To balance,		<u>\$54,298.12</u>
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APPROPRIATIONS, SPECIAL, 1886.

DR.

1887, Jan. 5. To balance,		<u>\$55,424.19</u>
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CR.

By sale of Sewer Bonds,	\$15,000.00	
" Improvement Bonds,	35,000.00	
By transfer from Unappropriated Funds,	5,424.19	<u>\$55,424.19</u>

COMMONWEALTH OF MASSACHUSETTS.

CHAPTER 252.

DR.

1887, Jan. 5. To balance,	\$2,724.50	
To amount paid by city for State aid,	6,656.33	<u>\$9,380.83</u>

CR.

By appropriation,		\$3,300.00
State Treasurer, for 1886,	\$2,868.50	
Amounts uncalled for,	194.33	<u>3,062.83</u>
		\$6,362.83
1888, Jan. 5. By balance,		<u>3,018.00</u>
		<u>\$9,380.83</u>

DR.

1888, Jan. 5. To balance,	<u>\$3,018.00</u>
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COMMONWEALTH OF MASSACHUSETTS.

CHAPTER 301.

DR.

1887, Jan. 5. To balance,	\$3,342.15	
To amount paid by the city for State aid,	3,264.50	\$6,606.65
	<hr/>	<hr/>

CR.

By State Treasurer, for 1886,	\$3,185.75	
Amounts uncalled for,	43.75	\$3,229.50
1888, Jan. 5. By balance,		3,377.15
	<hr/>	<hr/>
		\$6,606.65

DR.

1888, Jan. 5. To balance,		\$3,377.15
	<hr/>	<hr/>

COMMONWEALTH OF MASSACHUSETTS.

BANK TAX ACCOUNT.

DR.

To paid State in settlement,		\$50,879.95
	<hr/>	<hr/>

CR.

1887, Jan. 5. By balance,		\$50,879.95
	<hr/>	<hr/>

DISCOUNT FOR PROMPT PAYMENT OF TAXES.

DR.

To transfer to Appropriations, General, 1887,		\$10,000.00
	<hr/>	<hr/>

CR.

By appropriation,		\$10,000.00
	<hr/>	<hr/>

NEW BEDFORD WATER WORKS.

(AS PUBLIC PROPERTY.)

DR.

1888, Jan. 5.	To valuation of works,		\$1,200,000.00
		<hr/>	<hr/>

BALANCE OF PUBLIC PROPERTY.

DR.

To bonds issued,	\$50,000.00	
1888, Jan. 5. To balance,	927,504.66	\$977,504.66
	<hr/>	<hr/>

CR.

1887, Jan. 5. By balance,	\$885,062.13	
By bonds paid, .	45,000.00	
Commissioners of Sinking Funds,	15,842.53	
Increase in valuation,	31,600.00	\$977,504.66
	<hr/>	<hr/>

CR.

1888, Jan. 5. By balance,		\$927,504.66
	<hr/>	<hr/>

BONDS.

DR.

To bonds paid,	\$45,000.00	
1888, Jan. 5. To balance,	1,183,000.00	\$1,228,000.00
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CR.

1887, Jan. 5. By balance,	\$1,178,000.00	
By bonds issued,	50,000.00	\$1,228,000.00
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CR.

1888, Jan. 5. By balance,		\$1,183,000.00
	<hr/>	<hr/>

PUBLIC PROPERTY (OTHER THAN WATER WORKS.)

DR.

1887, Jan. 5.	To balance,	\$945,900.00	
	To excess of valuation over 1886,	31,600.00	\$977,500.00
		<hr/>	<hr/>

CR.

1888, Jan. 5.	By balance,		\$977,500.00
		<hr/>	<hr/>

DR.

1888, Jan. 5.	To balance,		\$977,500.00
		<hr/>	<hr/>

SINKING FUND COMMISSIONERS.

DR.

1887, Jan. 5.	To balance,	\$17,162.13	
	o increase in hands of Commissioners over 1886,	15,842.53	\$33,004.66
		<hr/>	<hr/>

CR.

888, Jan. 5.	By balance,		\$33,004.66
		<hr/>	<hr/>

DR.

1888, Jan. 5.	To balance,		\$33,004.66
		<hr/>	<hr/>

SINKING FUNDS.

DR.

To paid Sinking Fund Commissioners,		\$14,600.00
	<hr/>	<hr/>

CR.

By appropriation,		\$14,600.00
	<hr/>	<hr/>

CEMETERIES.

DR.

Labor, extension Oak Grove,	\$2,008.62
Almy, G. L., labor,	4.85
Anthony, E., & Sons, advertising,	10.67
Barrows & Lawton, painting,	117.77
Beetle, Rodolphus, appraisal,	5.00
Bertram, J., & Co., concreting,	1,000.00
Bliss & Nye, wall paper,	5.74
Brawley, L. W., use of oxen,	38.80
Brawley, L. W., feed for oxen,	36.86
Brown, W. S., plants and labor,	115.50
Brownell, C. W., salary as superintendent,	58.33
Brownell, C. W., use of horse,	7.00
Butts, C. H. W., breaking track,	3.00
Church, H. S., labor,	226.50
Coggeshall, Maxfield & Co., piping,	61.78
Collins, G. W., use of oxen,	15.50
Cornell, C. T., labor,	1,064.50
Davis Chemical Works, fertilizer,	17.00
Davis, J. Herbert, painting,	30.44
Davis, Otis A., labor,	1,454.10
Deane, Thomas, labor,	71.25
Denison Bros., grain,	16.63
Dews, Edwin, books and stationery,	19.13
Drake, A. B., surveying,	124.50
Eggers, S., blasting powder,	2.70
Gillis, Alex., cutting grass,	4.00
Greene & Wood, lumber,	30.08
Handy, Jonathan, iron rods,	5.73
Hart & Akin, coal,	2.50
Hathaway, A. B., plants and labor,	131.00
Hathaway, D. L., carpentry,	64.89
Hayes, N. P., hardware and tools,	161.42
Luce, F. C., iron-work,	2.50
Maxfield, Alex. S., labor,	3.00
McGuire, F. B., labor,	9.00
Mercury Publishing Co., advertising,	10.74
Mosher & Brownell, blinds,	61.75
Munroe, J. P. G., stone,	50.62
N. B. Water Works, water main and service,	520.92
Pease, W. A., lot of land,	5,500.00
Peirce, C. E., labor,	10.00

Perkins, A. W., teaming,	71.00	
Perkins & Staples, stone and gravel,	36.47	
Sadler, John N., tubs, wedges, &c.,	4.48	
Sanders, William, superintendent,	141.67	
Skiff, A. C., labor,	2.67	
Smith, J. A., labor,	24.75	
Southern Mass. Telephone Co.,	78.00	
Street Department, stone,	3.00	
Sturtevant & Parker, painting,	90.07	
Sullings, Kingman & Co., hardware,	1.37	
Swan, W. D., & Son, blocks, &c.,	9.36	
Sylvia, A. A., sharpening tools,	20.88	
Taber, Lemuel, chain,	3.00	
Tillinghast, W. A., lumber,	19.14	
Tripp, F. H., whitewashing,	4.00	
Whalon, William, labor,	38.47	
White, Phineas, pump and labor,	48.38	
Wilson, W. P., fertilizer,	2.25	
Wood, E. B., & Son, carriage-hire,	12.50	\$13,695.78
1888, Jan. 5. To balance,		216.33
		<u>\$13,912.11</u>

Cr.

1887, Jan. 5. By Balance,		\$77.11
By appropriation, general,	\$1,500.00	
" special,	8,200.00	
Receipts from sales of lots,	4,135.00	13,835.00
		<u>\$13,912.11</u>

Cr.

1888, Jan. 5. By balance,	<u>\$216.33</u>
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CITY STABLE AND LOT.

DR.

Tripp, T. B., Beetle & Kempton, land,	\$9,352.85
1888, Jan. 5. To balance,	13,900.00
	<u>\$23,252.85</u>

CR.

By special appropriations,	<u>\$23,252.85</u>
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CR.

1888, Jan. 5. By balance,	<u>\$13,900.00</u>
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COURT STREET SCHOOL-HOUSE AND LOT.

(HARRINGTON SCHOOL.)

DR.

Perry, Eben, land,	<u>\$4,500.00</u>
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CR.

By special appropriation,	<u>\$4,500.00</u>
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POLICE STATION AND LOT, BOWDITCH AND WELD STREETS.

Dr.

Brownell & Murkland, part of contract, &c.,	\$4,790.00	
Geils, Gerett, furniture,	32.00	
Holmes, D. W., masonry,	6.48	
Lewis, B. F., painting,	8.05	
N. B. Water Works, service,	3.91	
Slack, R. H., plans, &c.,	227.80	
Taber & Pope, carpentry,	28.30	
Washburn, W. H., shutters,	28.00	
Wood, Brightman & Co.,	21.74	\$5,146.28
To transfer to incidentals,		.92
		<u>\$5,147.20</u>

Cr.

1887, Jan. 5. By balance,	\$4,797.20	
By special appropriation,	350.00	\$5,147.20

UNION STREET EXTENSION (AWARDS.)

Dr.

Anderson, Sarah A., damages,	\$65.52	
Bourne, Jonathan, "	351.62	
Brownell, S. A., "	245.12	
Burke, Charles, "	56.40	
Burke, James, "	110.60	
Burroughs, George W., "	222.63	
Dean, Horatio G., "	48.36	
Denham, T. B., "	224.08	
Green, John, "	333.05	
Hathaway, Horatio, "	1,287.48	
Incidentals, "	42.34	
Mitchell, George H., "	9.05	
Rodman, Samuel, Est. of, "	431.10	
Sylvia, Joseph G., "	712.64	\$4,139.99

Cr.

By special appropriation,	\$4,139.99
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REAL ESTATE TAX ACCOUNT.

DR.

1887, Jan. 5. To balance,	\$193.59	
To paid taxes and costs on real estate,	479.52	\$673.11

CR.

By paid up taxes, City Treasurer's report,	\$255.71	
1888, Jan. 5. By balance,	417.40	\$673.11

DR.

1888, Jan. 5. To balance,		\$417.40
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FREE PUBLIC LIBRARY.

DR.

SALARIES:

R. C. Ingraham, librarian,	\$2,000.00	
W. L. R. Gifford, assistant,	1,000.00	
J. A. Merrick, “	525.00	
M. E. Brown, “	500.00	
S. H. Gammons, “	500.00	
E. J. Merrick, “	66.00	
L. M. Gammons, “	6.50	\$4,597.50

MISCELLANEOUS:

Almy & Milne, newspaper,	\$6.00	
Alta Pub. Co., “	4.50	
Ames, Yorick W., labor,	7.50	
Anthony, E., & Sons, advertising and printing,	53.00	
Carter, William, labor,	7.50	
Carter, Rice & Co., paper,	49.13	
Dews, Edwin, binding, &c.,	178.66	
Ellis, L. B., repairing frames, &c.,	22.50	
Kane, D. J. & Bro., binding,	21.20	
Mercury Pub. Co., printing and binding,	357.24	
Skiff, S. B., labor,	11.03	
Taber, R. A., & Co., masonry,	9.09	727.35
		\$5,324.85

CR.

By appropriation,	\$5,100.00	
Transfer from Unappropriated Funds,	224.85	\$5,324.85

FREE PUBLIC LIBRARY — DOG FUND.

DR.

Ames, Yerrick W., janitor,	\$540.00	
Borden, C. F., book-cases,	45.00	
Cook, S. H., insurance,	93.75	
Grinnell, L., & Co., insurance,	93.75	\$772.50
1888, Jan. 5. To balance,		625.23
		<hr/>
		\$1,397.73

CR.

1887, Jan. 5. By balance,	\$602.74	
By amount received from County Treasurer,	794.99	\$1,397.73
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CR.

1888, Jan. 5. By balance,	<hr/>	<hr/>
		\$625.23

FREE PUBLIC LIBRARY — TRUSTEES.

(INCOME DERIVED FROM TRUST FUNDS.)

DR.

BOOKS, PERIODICALS, NEWSPAPERS, BINDING, &C.:

Academy of Natural Sciences,	\$5.00
Allyn, John,	36.34
American Chemical Journal,	3.00
American Journal of Mathematics,	5.00
American Journal of Philology,	3.00
Anthony, E., & Sons,	6.00
Appleton, D., & Co.,	5.40
Armstrong, A. C., & Sons,	4.00
Austin, J. O.,	10.00
Brinton, D. G., M. D.,	3.00
City Treasurer,	128.50
Clark, A. S.,	6.95
Crooker, C. A.,	3.50
Cushing, William,	3.15
Dews, Edwin,	336.05
Dufossé, E.,	9.66
Elliot, A. M.,	2.50
Ellis, George H.,	2.00
Essex Institute,	3.00
Francis, D. G.,	13.73
Goss, F. B.,	2.00
Graham, A. A., Secretary,	4.00
Greene, A. C., & Son,	5.00
Greenough, W. A., & Co.,	2.00
Harper, F. P.,	2.43
Harvard Monthly,	2.00
Hickox, J. H.,	5.00
Houghton, Mifflin & Co.,	57.00
Humphrey, George W.,	8.75
Hutchinson, H. S., & Co.,	630.46
Inman, H. S.,	5.50
Johns Hopkins University,	6.20
Johnston, W. J.,	3.00
Kane, D. J., & Bro.,	33.40
Lamb, J. H., Agent,	6.00
Larned, J. N.,	4.00
Lawrence, L. L.,	8.00
Lawton, J. M., Jr.,	631.09

Lend a Hand Co.,	4.80	
Library Bureau,	1.00	
Little, Brown & Co.,	1,063.89	
Littlefield, George E.,	307.74	
Loomis, J. W.,	4.25	
Louderwick, W. H., & Co.,	52.50	
Maine Historical and Genealogical Recorder,	3.00	
Massachusetts Historical Society,	5.00	
McDonough, Joseph,	24.31	
Mercury Publishing Co.,	6.00	
Morgan, H. J.,	2.50	
Morrell, T. H.,	7.65	
Morse, George D.,	4.00	
Munsell, Joel's Sons,	24.77	
Nash, E. W.,	17.18	
Noyes, H. D., & Co.,	40.70	
Parsons, John D., Jr.,	18.00	
Peet, S. D.,	27.00	
Poor, H. V. & H. W.,	6.00	
Publishers' Weekly,	9.00	
Q. P. Index,	1.00	
Raymond, E. P.,	3.00	
Roffe, A. H., & Co.,	395.00	
Sampson, Murdock & Co.,	4.50	
Savery, M. E., Agent,	1.00	
Schoenhof, Carl,	132.51	
Scribner, Charles' Sons,	42.40	
Shea, John G.,	5.00	
Taber, Mary Jane,	2.00	
Thurston, B., & Co.,	5.00	
Tryon, George W., Jr.,	40.00	
U. S. Patent Office,	15.60	
Way, J. D.,	27.00	
Williamson & Co.,	8.50	
Wilson, E. L.,	5.00	
Woman's Journal,	1.50	
Woodward, C. L.,	20.89	
Zahm, S. H. & Co.,	4.75	\$4,349.55
1888, Jan. 5. To balance,		11,090.42
		<hr/>
		\$15,439.97

CR.

1887, Jan. 5. By balance,		\$12,191.97
By income from Trust Funds,	\$3,246.00	
Amount returned,	2.00	3,248 00
		<u>\$15,439.97</u>

CR.

1888, Jan. 5. By balance,		<u>\$11,090.42</u>
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LIGHTING THE STREETS.

DR.

LIGHTING:

Globe Gas Light Co.,	\$8,462.64	
N. B. Electric Light Co.,	8,558.00	
N. B. Gas Light Co.,	9,885.33	\$26,905.97

MISCELLANEOUS:

Cornell, R. S., use of buggy,	\$.75	
Kempton, F. A., Est., land rent,	12.50	
Mercury Publishing Co., advertising,	6.68	
Paisler, C. S., storage,	75.00	
Wood, E. B., & Son, carriage-hire,	9.50	\$104.43
		<u>\$27,010.40</u>

CR.

By appropriation,	\$26,000.00	
Transfer from Unappropriated Funds,	1,010.40	<u>\$27,010.40</u>

NEW BEDFORD AND FAIRHAVEN BRIDGE.

DR.

Pay-rolls, labor,	\$178.94	
Aiken, John F., draw-tender,	24.19	
Almy, Job, canvas and labor,	3.40	
Anthony, E., & Sons, advertising,	4.34	
Bowen, George S., & Son, brooms,	3.00	
Chase, Abraham, carpentry,	1,037.16	
Corson, T. S., coal,	4.85	
DeWolf & Vincent, hardware,	4.39	
Driggs, J. D., iron-work,	100.00	
Duff, David, & Son, coal,	1.00	
Garfield & Proctor, carting,	2.78	
Greene & Wood, lumber,	177.05	
Grinnell, Edmund, castings,	566.73	
Handy, Jonathan, hardware,	.80	
Hersom, Thomas, & Co., salt,	.75	
Hillman, Jethro, carpentry,	453.80	
Macy, E. B., iron-work,	8.60	
McCullough, John, use of chain,	1.00	
Mercury Publishing Co., advertising,	3.38	
N. B. Machine Shop, iron-work,	13.88	
Nicholson, John B., draw-tender,	575.81	
Nicholson, John B., expenses,	4.99	
Nye, W. F., oil,	5.20	
Pitman, H. L., services,	1.25	
Sawyer, J. A., labor,	2.00	
Skiff, S. B., iron-work,	.75	
Smith & Gurney, iron-work,	18.42	
Sowle, N. P., lumber,	2.31	
Street Department, labor, &c.,	77.53	
Sturtevant & Parker, painting,	22.98	
Tillinghast, W. A., lumber,	14.47	
Tillinghast & Terry, lumber,	33.47	
Tripp, S. A., repairing lamps, &c.,	1.77	\$3,350.99

CR.

By appropriation,	\$1,000.00	
Special appropriations,	2,350.99	\$3,350.99

NEW BEDFORD SCHOOL COMMITTEE.

(HOWLAND FUND.)

Dr.

Ambrose, F. M., books,	\$11.67
Appleton, D., & Co., books and chart,	33.40
Anthony, E., & Sons, subscription to Standard, and advertising,	8.50
Almy & Hitch, labor on maps,	4.50
Allen's Express Co., express,	2.60
Boston School Supply Co., books and maps,	187.69
Boden, E., Jr., organ,	75.00
Butler, E. H., & Co., books,	6.67
Bliss & Nye, sewing basket,	2.75
Cyclostyle Co., cyclostyles and paper,	30.00
Cowperthwait & Co., books,	24.00
Dews, Edwin, covering-paper,	2.17
Educational Publishing Co., periodicals,	24.75
Eaton, J., Jr., expenses selecting piano,	13.50
Fowler, B. A., anatomical study,	35.00
Ginn & Co., books,	201.80
Gammons, Lottie M., covering books,	21.05
Gage, Alfred P., apparatus,	14.50
Gray, Charles A., freight and carting,	4.20
Greeley, E. S., & Co., apparatus,	2.34
Hutchinson, H. S., & Co., books, paper, etc.,	171.14
Houghton, Mifflin & Co., books,	65.50
Heath, D. C., & Co., books and maps,	47.95
Hume, Harrison, books,	29.63
Hatch & Co., express,	15.10
Harrington, H. F., books,	5.00
Hadley, Frank R., plates,	4.40
Interstate Publishing Co., pictures,	5.00
Kane, D. J., & Bro., binding books,	37.75
Kellogg, E. L., & Co., periodicals,	15.75
Knowlton, D. H., & Co., periodicals,	4.40
Kirby, Wm. A., use of tables,	3.90
Knowles, Joseph F., cotton cloth,	2.61
Lawton, James M., Jr., piano and books,	715.93
Lothrop, D., & Co., pictures,	5.00
Mason, Perry, & Co., periodicals,	43.06
Martin, Garrison, & Co., books,	18.00
Merrick, Emma J., covering books,	15.55
Mathews, Wm. H., expenses selecting piano,	10.60

Mercury Pub. Co., reward cards, and advertising,	9.50	
Mac Coun, Townsend, books,	4.80	
Peirce, George, care of pianos and organs, 1 organ,	351.25	
Perry, George S., object supplies and paper,	298.64	
Paine, N. L., messenger service,	15.25	
Prang Educational Co., books,	12.00	
Piper, A. D., messenger service,	2.00	
Queen, James W., & Co., excelsior lantern,	54.00	
Ritchie, E. S., & Sons, apparatus,	34.92	
Russell, D. J., blackboard,	2.34	
Richards, George D., measures, etc.,	2.00	
Silver, Rogers & Co., singing books and fraction boxes,	137.17	
Stockin, A. C., books,	68.98	
Schoenhof, Carl, books,	19.21	
Sherman, Annie, covering books,	12.90	
Sherman, Ruth S., covering books,	11.60	
Sawyer, Stephen P., copper measures,	4.00	
Sullings, Kingman & Co., scissors,	2.35	
Topham, R. R., marking books,	1.75	
Whiting, Charles H., books and chart,	32.72	
White, James T., & Co., manikin,	12.50	
Ware, Wm., & Co., books,	12.50	
Whiting, E. B., & Co., sewing materials, etc.,	6.30	
Washburn, F. A., books,	5.00	
Wing, Charles F., curtain fixtures, etc.,	3.65	\$3,039.69
1888, Jan. 5. To balance,		2,260.20
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CR.

1887, Jan. 5. By balance,	\$2,299.89	
By income from educational bequest of Sylvia Ann Howland,	3,000.00	\$5,299.89
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CR.

1888, Jan. 5. By balance,	<hr/>	<hr/>
		\$2,260.20

PUBLIC SCHOOLS—PAY OF TEACHERS.

DR.

HIGH SCHOOL.

Ray Greene Huling,	\$2,495.84	
Charles T. Bonney, Jr.,	1,597.34	
Charles R. Allen,	1,138.00	
Sarah D. Ottiwell,	800.00	
Lizzie P. Briggs,	800.00	
Lydia J. Cranston,	800.00	
Mary E. Austin,	800.00	
Lucretia N. Smith,	800.00	
Emma H. Wheeler,	640.00	
Emma K. Shaw,	410.00	
Carrie E. Hatch,	126.00	\$10,407.18

GRAMMAR SCHOOLS.

FIFTH STREET:

Allen F. Wood,	\$1,700.00	
Mary A. Kane,	550.00	
Sarah A. Carr,	550.00	
Sarah E. Stoddard,	550.00	
Mary E. Allen,	550.00	
Emma J. Ashley,	550.00	
Lydia A. Macreading,	550.00	
Lizzie B. Brightman,	550.00	
Kate N. Lapham,	544.00	
Helen L. Hadley,	550.00	
Jeannette Hunter,	533.00	
Helena Kennedy,	353.50	7,530.50

MIDDLE STREET:

George H. Tripp,	\$1,700.00	
Kate Commerford,	541.00	
Mary R. Hinckley,	540.00	
Agnes J. Dunlap,	548.00	
Clara S. Vincent,	550.00	
Hattie F. Hart,	550.00	
Mabel W. Cleveland,	550.00	
Lucy B. Fish,	495.00	
Mary G. Bonney,	485.00	
Clara B. Watson,	430.38	
Maria B. Clark,	437.00	6,826.38

Amount carried forward,

\$24,764.06

1888.

AUDITOR'S REPORT.

29

Amount brought forward, \$24,764.06

PARKER STREET:

Charles E. E. Mosher,	\$1,700.00	
Eliza J. D. Shepherd,	550.00	
Martha A. Hemenway,	550.00	
Helen M. Gordon,	550.00	
Sarah L. Spare,	544.00	
S. Flora Spare,	526.00	
Anna L. Jennings,	549.00	
Mary A. Coddington,	550.00	
Emma A. McAfee,	518.00	
Annie W. Braley,	549.00	
Josephine Almy,	510.00	
Emma C. Nash,	510.00	
May L. Pettet,	269.00	
Emma K. Shaw,	192.50	8,067.50

THOMPSON STREET:

George Rugg,	\$896.00	
Mary A. Macy,	540.00	
Abby F. Sullivan,	550.00	
Sarah W. Almy,	550.00	2,536.00

PRIMARY SCHOOLS.

THOMPSON STREET:

Helen C. Allen,	\$495.00	
Annie C. O'Connor,	475.00	
Helen J. Kirk,	475.00	
Grace H. Potter,	364.12	
Sarah A. Winslow,	76.80	1,885.92

LINDEN STREET:

Elizabeth P. Spooner,	\$550.00	
Lucy S. Leach,	475.00	
Isabella Luscomb,	475.00	
Mary E. Sturtevant,	475.00	1,975.00

MERRIMAC STREET:

Sarah H. Hewins,	\$550.00	
Addie West,	475.00	
Isadora Foster,	475.00	
Hattie S. Damon,	395.00	1,895.00

Amount carried forward, \$41,123.48

Amount brought forward,	\$41,123.48
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MAXFIELD STREET:

Mary B. White,]	\$508.75	
Sarah E. Field,	395.49	
Annie E. Pearce,	475.00	
Bessie P. Nash,	435.00	1,814.24

CEDAR STREET:

Annie S. Homer,	\$550.00	
Abby D. Whitney,	473.40	
Emma B. Allen,	460.00	
Willetta B. Nickerson,	427.80	
Annie L. Edwards,	410.00	2,321.20

ACUSHNET AVENUE:

Jane E. Gilmore,	\$543.60	
Sarah E. Kirwin,	475.00	
Mary J. Eldridge,	154.37	
Minnie E. McAfee,	285.00	
Susan M. Lucas,	460.60	
Mariana N. Richmond,	475.00	
Carrie E. Pitman,	204.38	
Lizzie E. Omey,	110.00	
Emma B. McCullough,	189.08	
Carrie S. Silva,	121.88	
Sarah A. Winslow,	67.20	3,086.11

KEMPTON STREET:

Eleanor Commerford,	\$545.20	
Bessie P. Peirce,	475.00	
Kate E. Cleary,	475.00	
Ida G. Howard,	460.00	
Abby R. Johnson,	24.00	1,979.20

WILLIAM STREET:

Abby F. Bryant,	\$550.00	
Amelia Lincoln,	475.00	
Mary J. Graham,	475.00	
Clara C. M. Gage,	402.00	1,902.00

Amount carried forward,	\$52,226.23
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Amount brought forward, \$52,226.23

FOURTH STREET:

Sarah H. Cranston,	\$550.00	
Eliza H. Sanford,	475.00	
Sarah E. Sears,	439.37	
Nancy H. Brooks,	475.00	
Annie L. Macreading,	328.13	
Clara B. Watson,	54.62	
Caroline S. Silva,	115.20	
Lillie C. Tillinghast,	14.40	2,451.72

DARTMOUTH STREET:

Isadore F. Eldridge,	\$549.20	
M. Eva Schwall,	475.00	
Sara H. Kelley,	470.20	
Annie M. Carpenter,	475.00	
Chella F. Carpenter,	54.40	2,023.80

GROVE:

Jane C. Thompson,	\$545.20	
Sarah E. Tuell,	475.00	
Hattie L. Finlan,	405.31	
Nellie W. Davis,	475.00	
Mary Barstow,	287.20	2,187.71

CEDAR GROVE STREET:

Lucy F. Clarke,	\$545.20	
Carrie A. Shaw,	410.00	
Flora E. Estes,	410.00	
Emily A. Delano,	400.00	1,765.20

ARNOLD STREET:

Susan M. Tompkins,		560.59
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MILL SCHOOLS.

NORTH MILL:

Emma R. Wentworth,	\$643.00	
Nannie P. Underwood,	540.00	1,183.00

SOUTH MILL:

Lucy J. Remington,		590.80
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Amount carried forward,		<u>\$62,989.05</u>
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Amount brought forward,	\$62,989.05
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COUNTRY SCHOOLS.

ACUSHNET:

Charlotte C. Carr,	\$700.00	
Mary F. Sylvia,	269.60	
Selene E. Sherman,	345.00	
Belle B. Wheeler,	150.00	1,464.60

CANNONVILLE:

Jennie S. King,	\$500.00	
May L. Pettey,	164.60	
Addie J. McFarlin,	276.75	941.35

CLARK'S POINT:

Lillie B. Allen,	\$500.00	BTE
Annie L. Macreading,	40.00	
Addie J. McFarlin,	75.20	
Lillie C. Tillinghast,	68.80	684.00

ROCKDALE:

Lillian L. Thomas,	\$375.00	
Alice P. Terry,	51.20	426.20

NORTH:

Mary Ashley,		495.00
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PLAINVILLE:

Ruth A. Allen,		360.00
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EVENING SCHOOLS.

NORTH EVENING:

Frank T. Taylor,	\$132.00
Robert F. Raymond,	121.00
Nathaniel W. Gifford,	184.00
Eloise A. Hafford,	77.00
Lizzie E. Omey,	73.00
Lillie C. Tillinghast,	114.00
Mrs. Ruby M. Tripp,	96.00
Abby R. Johnson,	82.00
Annie G. Brawley,	77.00
Sara L. Tallman,	78.00

Amount carried forward,	\$67,360.20
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Amount brought forward,		\$67,360.20
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Sarah A. Winslow,	15.00	
Annie B. Parker,	58.75	
Ida A. McAfee,	57.50	
Maud Munson,	53.75	
Mrs. Mary F. Wilde,	54.00	
Anna I. Dexter,	5.00	1,278.00

SOUTH EVENING :

Oliver W. Cobb,	\$253.00	
Mrs. S. C. Whelden,	184.00	
Joseph P. Kennedy,	161.00	
Mrs. Kate Johnson,	161.00	
Chella F. Carpenter,	84.50	
Carrie S. Silva,	66.00	
Stephen A. D. Brady,	52.00	
Mary Crowell,	72.00	
Alice M. Holdsworth,	58.75	
Mabel Washburn,	42.50	
Susan C. Graffam,	55.00	1,189.75

CENTRAL EVENING :

Mrs. S. W. Wilde,	\$230.00	
Cora Cleveland,	161.00	
Kate Sweet,	114.00	
Lena A. Chubbuck,	66.00	571.00

DRAWING TEACHERS.

Arthur J. Cumming,	\$1,650.00	
Fannie E. Ashley,	25.00	
Albert B. Drake,	98.50	
Robert C. P. Coggeshall,	57.50	
Edgar B. Hammond,	52.50	1,883.50

SINGING TEACHER.

Fred L. Diman,		1,436.25
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SEWING TEACHERS.

Carrie H. Richmond,	\$500.00	
Eliza A. Smalley,	185.00	
Gertrude H. Leonard,	215.00	900.00

MILITARY INSTRUCTOR.

John K. McAfee,		93.75
Amount carried forward,		\$74,712.45

Amount brought forward, \$74,712.45

SUBSTITUTES.

Chella F. Carpenter,	\$162.20	
Anna I. Dexter,	106.25	
Lillie C. Tillinghast,	103.20	
Eloise A. Hafford,	88.80	
Lizzie E. Omev,	62.80	
Belle B. Wheeler,	62.60	
Annie G. Brawley,	54.60	
Grace H. Potter,	46.40	
Sarah A. Winslow,	27.20	
Addie J. McFarlin,	11.20	
Sara L. Tallman,	11.00	
Alice M. Holdsworth,	9.20	
Annie B. Parker,	6.40	
Abby R. Johnson,	4.80	
Carrie S. Silva,	2.40	
Susan C. Graffam,	1.60	760.65

\$75,473.10

To transfer to Incidentals, 1.90

\$75,475.00

CR.

By appropriation,	\$75,000.00	
Special appropriation,	475.00	\$75,475.00

PUBLIC DEBT.

DR.

To principal (bonds) paid,	\$45,000.00	
Interest on Bonds,	65,120.00	
Interest on Trust Funds,	6,259.17	\$116,379.17

CR.

By appropriation,	\$115,401.00	
Transfer from Unappropriated Funds,	955.80	\$116,356.80
Accrued interest on Bonds,		22.37

\$116,379.17

POLICE DEPARTMENT.

Dr.

PAY-ROLLS:

Pay of police,	\$41,780.65
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SPECIAL POLICE:

Booth, W. P.,	\$1.00
Buckley, A. R.,	288.20
Butts, H. R., Jr.,	56.70
Chadwick, C. T.,	9.20
Chase, Albert,	70.80
Corish, John,	3.80
Cornell, C. F.,	2.40
Craft, James,	6.60
Cushman, Frederick,	17.00
Devine, Patrick,	129.40
Donaghy, Joseph,	60.00
Dumec, Peter,	280.60
Ferguson, William,	173.60
Gibbs, W. H. H.,	47.20
Greene, M. S.,	52.60
Jacobs, Julian,	160.40
Jones, Isaac M.,	4.00
Little, John E.,	73.20
Martin, H. F.,	48.40
McCarthy, B. F.,	9.80
McGlynn, John,	139.80
Netcher, George F.,	261.80
Otto, Frederick,	10.60
Peckham, S. W.,	12.00
Peed, T. J.,	4.80
Pinkham, George W.,	71.00
Place, W. J.,	6.80
Rhodes, H. W.,	251.60
Smith, Henry,	8.50
Spooner, J. W.,	80.20
Stevens, Michael,	32.40
Telford, John,	99.80
Thomson, J. H.,	333.40
Tinkham, J. S.,	5.40
Tinkham, Otis,	34.40
Tripp, H. R.,	6.00

Amount carried forward,

\$41,780.65

Amount brought forward,		\$41,780.65
Underwood, J. A.,	3.20	
Watts, W. H. C.,	5.20	
Weeden, C. H. L.,	134.40	
Willis, R. H.,	13.00	3,009.20

MISCELLANEOUS :

Adams, L. D., expenses,	\$2.00	
Anthony, E., & Sons, advertising and printing,	45.17	
Arnett, J. W., expenses,	2.00	
Ashley Bros., carriage-hire,	59.15	
Barney, E. L., professional services,	15.00	
Bliss & Nye, mats, brushes, &c.,	39.72	
Bradley, W. E., carriage-hire,	54.35	
Briggs & Lawrence, mattress,	15.00	
Brown, J. A., carriage-hire,	36.50	
Brownell, H. M., hacking,	45.10	
Brownell, J. F., hacking, &c.,	139.45	
Brownell, Dr. W. E., professional services,	3.60	
Bumpus, H. W., expenses,	2.00	
Butler, D. A., keeper of lock-up,	100.00	
Butler, D. A., expenses,	4.35	
Case, E. T., janitor, and food,	789.83	
Coggeshall, Maxfield & Co., plumbing, &c.,	27.28	
Cornell, C. R., carriage-hire,	56.55	
Corson, T. S., coal,	256.08	
Davenport, Dudley, use of horse,	8.00	
Dayton, L. M., expenses,	14.40	
DeWolf & Vincent, buckets, &c.,	12.40	
Dews, Edwin, stationery and papers,	118.99	
Doane, R. B., photograph,	2.00	
Driscoll, Church & Hall, matches and brooms,	27.00	
Dwelley, Andrew, hacking,	5.70	
Evans, D., & Co., buttons,	40.00	
Faisneau, George E., blankets,	10.00	
Fisher, H. H., crackers,	11.27	
Folger, D. B., brushes, soap, &c.,	23.80	
Gifford, O. E., painting,	9.22	
Gifford, T. J., & Co., plumbing, &c.,	64.60	
Greenough, W. A., & Co., directories,	12.00	
Hadley, F. R., jamaica ginger,	10.50	
Hart & Akin, wood,	2.50	
Hatch, George E., repairing stoves,	19.50	
Amount carried forward,		\$44,789.85

Amount brought forward, \$44,789.85

Hatch, H. F., photograph,	1.50
Hathaway, D. L., carpentry,	22.82
Hathaway, F. L., expenses,	2.00
Hayden, Eugene, carriage-hire,	8.50
Holmes, L. Le B., judgment,	20.12
Hornblower, Dr. W. H., professional services,	6.00
Howland, Dr. B. C., professional services,	6.00
Howland, F. D., expenses,	4.00
Humphrey, D. J., expenses,	2.00
Jay, James A., carriage-hire,	171.00
Kelley, W. L., repairing badges, clocks, &c.,	32.44
Kempton, F. A., Est. of, land rent,	37.50
King, Philip, hacking,	25.55
Lawton, C. H. & H. A., medicines,	2.45
Leonard, Dr. M. H., professional services,	10.00
Lerned, C. W., & Co., disinfectant,	16.00
Lewis, B. F., painting,	3.62
Look, J. W., carpentry,	11.69
Macy, E. B., iron-work,	3.15
Mercury Pub. Co., advertising and printing,	150.37
Milliken, E. C., crackers,	7.28
Moynan, Robert, expenses,	5.50
Nelson, William, damages,	125.00
N. B. Boiler & Machine Co., labor,	1.40
N. B. Gas Light Co.,	410.21
N. B. Ice Co.,	45.30
Old Colony R. R. Co., freight,	2.60
Parker, J. C., expenses,	7.50
Perry, S. F., & Son, carriage-hire,	63.75
Reynolds, E. G., & Co., hacking,	56.40
Richards, George D., brushes, &c.,	4.50
Richards, W. D., hacking,	78.55
Richmond, S. P., & Co., crackers,	8.00
Ripley, C. W., food for prisoners,	143.20
Sanders & Barrows, gloves,	3.00
Sherman, C. R., & Son, gong, and labor,	9.00
Sherman, J. C., repairing lock,	7.40
Sherman, W. H., carriage-hire,	29.95
Sisson, J. E., food for prisoners,	14.35
Slocum, F. R., furniture,	38.10
Smith, John, wood,	5.00
Snow & Gilbert, painting,	29.55

Amount carried forward, \$44,789.85

Amount brought forward,		\$44,789.85
Soule, W. T., cloth,	14.32	
So. Mass. Telephone Co.,	296.05	
Sowle, F. A., sash,	33.00	
Sullings, Kingman & Co., hardware,	4.14	
Sullivan, Timothy, expenses,	2.00	
Swift, M. C., figures and wreath,	15.00	
Taber, R. A., & Co., masonry,	15.45	
Tillson, H. H., ex. on helmets,	10.75	
Tompkins, I. B., expenses,	1.50	
Tower & Lyon, twisters, &c.,	19.62	
Viall & Cook, rent,	16.67	
Washburn, W. H., lumber,	17.20	
Watson, E. G., club swivels,	12.00	
Wilber, J. L., expenses,	293.84	
Wilbur, S. B., whitewashing,	30.20	
Willis, W. H., club straps,	4.50	
Wing, C. F., carpet, &c.,	14.02	
Wixon, J. A., expenses,	2.00	
Wood, Brightman & Co., gas fitting, &c.,	18.86	
Wood, E. B., & Son, carriage-hire,	47.50	
Wood, H. T., Est. of, land rent,	20.00	
Wood, R. B., carpentry,	40.92	4,646.20
		<u>\$49,436.05</u>

CR.

By appropriation,	\$42,500.00	
Transfer from Unappropriated Funds,	2,538.64	\$45,038.64
Received from :		
Officers' fees and mittimuses,	\$3,993.66	
Rent of court room,	400.00	
Amount twice audited,	3.75	4,397.41
		<u>\$49,436.05</u>

FIRE DEPARTMENT.

DR.

PAY-ROLLS:

Permanent men,	\$11,517.50	
Engine companies,	7,128.77	
Board of Engineers,	1,520.00	
Protecting Society,	150.00	\$20,316.27

REPAIRS OF ENGINES, HARNESS, &C.:

Acushnet Iron Co.,	\$2.67	
American Tube Works,	3.20	
Bowker & Tripp,	3.60	
Brownell, Ashley & Co.,	38.20	
Brownell, G. L.,	56.30	
Cogan, Joseph,	22.00	
Cronin, William,	124.70	
Cushing, C. F.,	12.48	
DeWolf & Vincent,	4.45	
Durfee, E. M.,	22.22	
Forbes, J. R., & Co.,	166.40	
Gardner & Southwick,	5.13	
Gifford's Brass Foundry,	52.64	
Gray, C. A.,	16.00	
Hathaway, L. J.,	.50	
Healy, T. F.,	21.55	
Lowell, Clarence,	6.00	
Macy, E. B.,	90.45	
N. B. Boiler & Machine Co.,	19.50	
N. B. Copper Co.,	41.47	
Ruddick Leather Co.,	5.25	
Sheridan, D. J.,	10.70	
Sherman, C. R., & Son,	1.24	
Tripp, S. A.,	1.40	
Willis, W. H.,	68.25	796.30

REPAIRS ON ENGINE-HOUSES:

Brownell & Murkland,	\$407.87
Faunce, C. L.,	22.01
Gifford, T. J., & Co.,	3.87
Hammond, F. W.,	51.19
Hatch, George E.,	37.88
Lowe, S. C.,	2.15

Amount carried forward,

\$21,112.57

Amount brought forward,		\$21,112.57
Macy, E. B.,	39.00	
Nelson, George,	7.30	
Paisler, C. S.,	10.67	
Sowle, F. A.,	9.74	
Underwood, C. H.,	81.49	
Wood, Brightman & Co.,	4.35	677.52

HAY, GRAIN, AND FUEL:

Allen, F. M.,	\$55.20	
Baylies, William,	253.92	
Chase, L. E.,	9.84	
Corson, T. S.,	456.05	
Dean & Co.,	136.81	
Denison Bros.,	407.85	
Douglass, J. O.,	59.80	
Duff, David, & Son,	39.82	
Hart & Akin,	5.40	
Hathaway, A.,	5.69	
Heron, John,	21.73	
Kirk, John,	146.79	
Lawton, W. J.,	169.59	
Macomber Bros.,	70.60	
Marston, F. A., & Co.,	164.06	
Notter, John,	2.50	
Perry, S. F., & Son,	1.00	
Poor Department,	803.45	
Potter, D. H.,	19.00	
Salisbury & Viall,	251.20	
Smith, John,	5.50	
Tinkham, N.,	68.43	3,154.23

SUPPLIES:

Am. Dressing Co., harness dressing,	\$10.00
Boyd, Alex., hose,	1,101.50
Briggs, D. D., sundries,	8.39
Bryant Bros., soap,	7.50
Burr, C. S.,	4.50
Cairns & Bro., badges,	6.10
Callahan, C., & Co., straps,	24.00
Carpenter, H. F., vitriol,	103.59
Covell, A. H., medicine,	8.70
Cummings, C. S., & B., matches, soap, &c.,	13.11

Amount carried forward,	\$24,944.32
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Amount brought forward,		\$24,944.32
DeWolf & Vincent, hardware,	13.20	
Donaghy, Thomas, hose,	5.20	
Driscoll, Church & Hall, brooms, &c.,	5.00	
Eastern Electric Cable Co., wire,	13.00	
Electric Gas Light Co., gongs,	40.00	
Farrar, Simpson & Co., wire,	26.67	
Greene & Wood, lumber,	108.83	
Grinnell, Edmund, castings,	4.80	
Hadley, F. R., medicines,	21.21	
Hart & Akin, paint,	3.30	
Hayes, N. P., hardware,	10.50	
Homer, George S., oil,	5.00	
Howe & French, sponge,	73.50	
Jenney, W. A., carrots,	27.66	
Lawton, C. H. & H. A., medicines,	7.94	
Lowe, S. C., hardware,	21.46	
Macy, E. B., iron,	48.40	
Martyn, Henry, oil,	18.95	
Morse, A. J., & Co., hose,	44.74	
N. B. Cordage Co., rope,	6.02	
Peto, T. H., door springs,	28.00	
Richards, G. D., mats, &c.,	23.79	
Robinson, W. A., & Co., oil,	7.80	
Rogers, Edwin, alarm bells, &c.,	440.30	
Ruddick Leather Co., cement,	8.25	
Scoville Manuf. Co., buttons,	18.00	
Sherman, C. R., & Son, wire,	1.35	
Snow & Gilbert, glass,	3.56	
Soule, W. T., cloth,	8.16	
Spear, William, curry combs,	5.00	
Sullings, Kingman & Co., hardware,	53.25	
Swan, W. D., & Son, blocks,	6.44	
Taber, R. H., lantern globes,	20.13	
Taylor, H. J., & Son, brooms, &c.,	2.56	
Tripp, S. A., pipe, &c.,	38.85	
Ward, M. J., hose,	185.50	
Wetherbee & Co., disinfectant,	7.00	
Whiting, E. B., & Co., blankets,	23.74	
Whittemore, M. F., soap,	6.00	2,680.45
Amount carried forward,		\$27,624.77

Amount brought forward, \$27,624.77

MISCELLANEOUS :

Anthony, E., & Sons, printing,	\$30.00
Briggs & Lawrence, chairs,	3.00
Briggs, D. D., sundries,	27.45
Brownell, George L., labor,	17.00
Brownell, Heirs of Joseph, rent,	85.00
Brownell, Ashley & Co., shoeing and repairs,	237.35
Caswell, N. H., shoeing,	44.31
Coggeshall, Maxfield & Co., labor,	7.64
Dews, Edwin, stationery, &c.,	14.00
Douglass, J. O., horses,	422.50
Duddy, James, carting coal,	14.60
Duff, David, & Son, carting coal,	6.58
Dunlap, A. A., veterinary surgeon,	97.00
Durfee Bros., shoeing,	7.03
Durfee, E. M., shoeing,	108.25
Dwellely, Andrew,	9.00
Edison Electric Illuminating Co.,	245.93
Fichtenmayer & Flynn, shoeing,	14.25
Forbes, J. R., & Co., shoeing and repairs,	76.33
Fuller, N. T., shoeing,	51.25
Gifford, T. J., & Co., labor,	7.83
Gray, C. A., freight and carting,	6.35
Hart, T. M., flag,	13.12
Haskins, Job, steward No. 9,	6.00
Hathaway, L. J., repairing wagon,	4.65
Kelley, C. S., paid for transportation to fires,	39.00
Macy, E. B., blacksmithing,	31.81
Macy, Frederick, use of horse,	300.00
Macy, Frederick, expenses,	122.74
Manchester, F. W., ice,	8.50
Mercury Pub. Co., advertising, &c.,	71.70
Needham & Littlefield, plating,	7.00
N. B. Gas Light Co.,	398.45
N. B. Ice Co.,	71.76
Old Colony R. R. Co., freight and tickets,	79.00
Peirce, George W., pasturing horses,	11.86
Roatch, E. R., shoeing,	10.95
Roatch & Co., shoeing,	2.30
Roatch & Leary, shoeing,	14.25
Russell, Pardon, Jr., ice,	13.10
Amount carried forward,	\$27,624.77

Amount brought forward,		\$27,624.77
Sargent, F. H., plating,	25.60	
Sheehan, Timothy, labor,	8.20	
Sherman & Purrington, printing,	19.00	
Sherman, W. H., hacking,	4.00	
So. Mass. Telephone Co.,	350.00	
Street Department, labor,	3.50	
Sturtevant & Parker, glass,	20.00	
Swan, W. D., & Son, repairing tools,	3.00	
Taber, R. H., repairing lanterns,	.75	
Thomas, George, ice,	13.20	
Tompkins, I. B., telephone trumpets,	4.00	
Tripp, C. H., shoeing,	3.00	
Underwood, J. A., repairing reservoirs,	43.32	
Vlrequine Manuf. Co., lotion,	6.00	
Wilber, J. A., steward No. 9,	6.00	
Wing, C. F., carpet,	25.70	3,274.11
		<u>\$30,898.88</u>

CR.

By appropriation,	\$30,500.00	
Unappropriated funds,	6.03	\$30,506.03
Amount returned,	2.31	
Pumping,	60.00	62.31
Street Department,	6.75	
Poor Department,	287.79	
General Sewers,	36.00	330.54
		<u>\$30,898.88</u>

HIGHWAYS AND STREETS.

DR.

PAY-ROLLS:

Labor and teams,	\$55,677.44
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FLAGGING AND STONE:

Addy, William,	\$19.91
Allen, Clark,	387.24
Aqua, Louis,	9.38
Barrows, J. W.,	231.76
Benson, M. E.,	23.58
Bertram, John, & Co.,	179.44
Black, John,	11.10
Borden, George B.,	55.87
Brawley, Levi W.,	66.95
Brownell & Murkland,	20.57
Burke, Charles,	56.67
Burns, John H.,	5.46
Butts, C. H. W.,	58.01
Campbell, J. R.,	5.11
Carr, F. B.,	7.93
Casey, E. H.,	21.03
Chase, George W.,	53.14
Coggeshall, C. F.,	52.10
Coggeshall, J. F.,	219.36
Coggeshall, W. P.,	28.41
Cook, P. B.,	37.89
Cory, F. A.,	48.18
Cory, George F.,	177.00
Covell, A. H.,	10.65
Crapo, George G.,	607.50
Cummings, C. S.,	16.02
Cunningham, D. P.,	16.52
Curtis, M. E.,	101.44
Davenport, Dudley,	20.73
Davis, A. H.,	374.57
Douglass, J. O.,	111.32
Drown, E. F.,	8.96
Duddy, James,	22.13
Duff, David, & Son,	425.35
Dunn, John,	107.55
Durfee, E. M.,	17.42

Amount carried forward,

 \$55,677.44

Amount brought forward,

\$55,677.44

Gammons, E. H.,	22.48
Gifford, C. T. W.,	498.13
Gillis, Alexander,	38.36
Goulet, Julian,	121.20
Gray, C. A.,	16.70
Grew, David,	72.80
Grew, David, Jr.,	167.06
Hammond, H. S.,	23.90
Hatch, G. C.,	87.26
Hathaway, Horatio,	31.00
Hathaway, H. W.,	402.15
Hathaway, J. W.,	9.05
Hathaway, P. E.,	346.08
Hathaway, P. S.,	313.39
Hathaway, Rodman,	603.30
Hathaway, W. E.,	16.74
Hawes, Simeon,	27.23
Hawes, S. T.,	22.27
Hawthorn Farm,	284.59
Jenney, H. P.,	93.02
Kenney, E. D.,	32.51
Kenney, Thomas,	69.96
Manchester, J. W.,	14.70
Mitchell, James,	5.52
Offley, Alexander,	10.08
Offley, G. W.,	9.02
Paisler, C. S.,	4,305.05
Pease, W. A.,	52.76
Peckham, Benjamin,	5.48
Peckham, Reuben,	4.58
Perkins, A. W.,	14.33
Perkins & Chase,	9.59
Pittsley, William,	3.76
Pool, P. S.,	45.07
Pool, Richard,	111.92
Potter, George A.,	68.13
Potter, S. C.,	22.44
Quirk, Patrick,	16.82
Reed, Eli W.,	124.87
Ricketson, B., Jr.,	40.36
Ritter, W. O.,	18.67
Rogers, A.,	91.59

Amount carried forward,

\$55,677.44

Amount brought forward,		\$55,677.44
Rogers, E. D.,	24.92	
Rogers, J. F.,	14.12	
Rogers, J. H.,	74.20	
Russell, Pardon, Jr.,	32.85	
Schultz, C. N.,	7.14	
Shaw, Job L.,	26.90	
Sheehan, Timothy,	194.81	
Smith, John,	3.00	
Snell, D. A.,	5.61	
Spooner, C. F.,	140.18	
Spooner, George H.,	9.00	
Spooner, Henry,	25.44	
Spooner, J. A., 2d,	43.07	
Spooner, J. W.,	85.93	
Spooner, W. E.,	14.40	
St. Hilaire, Bruno,	27.68	
Sutton, W. J.,	278.13	
Sweeney, Daniel,	32.47	
Swift, M. C.,	101.57	
Taber, George B.,	46.53	
Tinkham, J. M.,	38.37	
Tripp, Peleg A.,	12.17	
Upham, W. O. T.,	82.07	
Wainer, Thomas,	17.95	
Wallace, Alanson,	3.13	
Washburn, G. E.,	32.91	
Weaver, Thomas,	21.02	
Weston, Samuel,	23.27	
White, William,	82.79	
Wilber, J. T.,	76.94	
Wood, Walter,	122.54	13,591.28

REPAIRS OF WAGONS AND HARNESS:

Brownell, Ashley & Co.,	\$4.00	
Caswell, O. F.,	479.04	
Coggeshall, Maxfield & Co.,	2.62	
Cronin, William,	206.49	
Cushing, C. F.,	473.06	
Dexter, T. D.,	1.25	
Durfee, E. M.,	53.17	
Fichtenmayer & Flynn,	403.38	
Forbes, J. R., & Co.,	890.30	
Amount carried forward,		\$69,268.72

Amount brought forward,		\$69,268.72
Fuller, N. T.,	2.10	
Hathaway, L. J.,	20.25	
Healy, T. F.,	42.25	
Luce, F. C.,	309.99	
Russell, Pardon, Jr.,	790.83	
Willis, W. H.,	17.63	3,696.36

SHARPENING AND REPAIRING TOOLS:

Ashley, J. T.,	\$3.46	
Bennett, George W., & Bro.,	59.71	
Caswell, O. F.,	10.08	
Durfee, E. M.,	63.06	
Fichtenmayer & Flynn,	7.90	
Footman, J. W.,	101.78	
King, W. F.,	6.38	
Luce, F. C.,	26.85	
Roatch, E. D.,	.75	
Roatch & Leary,	.93	
Sherman, W. D.,	49.81	
Skiff, S. B.,	172.63	
Springer, A. R.,	10.38	
Swift, George D.,	7.49	
Sylvia, A. A.,	15.62	
Taber, C. G.,	6.40	
Terry, F. C.,	8.63	551.86

HAY, GRAIN, AND FUEL:

Alden, Seth,	\$90.06	
Blossom, Edwin,	100.27	
Corson, T. S.,	970.27	
Crapo's Steam Mill,	38.00	
Dahl, James,	33.08	
Denison Bros.,	1,368.20	
Duff, David, & Son,	216.94	
Hathaway, J. W.,	149.98	
Kirk, John,	846.01	
Kittredge, B. R., Agent,	2.55	
Lawrence, J. H.,	45.60	
Little, E. A.,	528.35	
N. B. Gas Light Co.,	49.39	
Russell, Pardon, Jr.,	8.00	
Spooner, George,	12.17	

Amount carried forward,		<u>\$73,516.94</u>
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Amount brought forward,		\$73,516.94
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Spooner, Thomas,	15.58	
Studley, E.,	69.97	4,544.42

GRAVEL AND SAND :

Borden, G. B.,	\$1.44	
Brownell, H. M.,	78.40	
Coggeshall, C. F.,	170.76	
Coggeshall, J. F.,	516.12	
Coggeshall, W. P.,	452.21	
Corson, T. S.,	380.00	
Dillingham, A. L.,	3.00	
Duddy, James,	23.00	
Duff, David, & Son,	4.00	
Francis, J. T.,	3.91	
Hathaway, Jabez,	2.40	
Parker, Mrs. L. N.,	103.11	
Pool, Arthur,	101.10	
Russell, Allen,	2.04	
Spooner, J. W.,	5.60	
West, S. N.,	1.14	
Wilbur, Mrs. L. W.,	100.86	
Wilbur, N. H.,	7.50	1,956.59

HORSESHOEING :

Caswell, N. H.,	\$10.13	
Caswell, O. F.,	138.10	
Durfee, E. M.,	38.05	
Fichtenmayer & Flynn,	46.25	
Footman, J. W.,	10.65	
Forbes, J. R., & Co.,	31.25	
Fuller, N. T.,	17.67	
Luce, J. L.,	42.41	
Roatch, E. R.,	30.00	
Roatch & Leary,	22.63	
Tripp, C. H.,	45.45	432.59

REPAIRS OF ROLLER AND CRUSHERS :

Acushnet Iron Co.,	\$31.64
Babbitt, Wood & Co.,	217.24
Bowker & Tripp,	331.86
Brownell & Co.,	15.01
Duddy, James,	.25

Amount carried forward,	\$80,450.54
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Amount brought forward,		\$80,450.54
Farrell Foundry & Machine Co.,	317.73	
Gardner & Southwick,	14.63	
Gifford's Brass Foundry,	8.42	
Gifford, T. J., & Co.,	3.80	
Hayden, W. G.,	.84	
Lucas, A. E.,	4.40	
Luce, J. L.,	41.09	
Marsden, S. L.,	124.59	
N. B. Boiler & Machine Co.,	86.69	
N. B. Machine Shop,	8.08	
Oastler, W. C.,	127.00	
Old Colony R. R. Co.,	79.31	
Sargent, F. H.,	1.25	
Weaver, S. V.,	12.00	
Wood, Brightman & Co.,	5.44	1,431.27

SUPPLIES AND MATERIALS:

Acushnet Saw Mill Co., plank,	\$1.00
American Dressing Co., soap,	5.00
American Supply Co., wrench,	1.42
American Tack Co., nails,	1.53
Barker, Robert, horse medicine,	4.00
Bliss & Nye, mugs,	1.87
Briggs & Lawrence, chairs, &c.,	25.50
Brownell & Co., paint,	4.50
Bryant Bros., soap,	2.05
Carr, F. B., lumber,	3.00
Clapp, H. W., & Co., covers,	7.20
Cobb, George A., & Co., tools,	36.51
Coggeshall, C. W., sheaves, &c.,	10.31
Delano, George's Sons, oil,	75.00
DeWolf & Vincent, hardware,	91.40
Dews, Edwin, books and stationery,	72.94
Donaghy, Thomas, belting,	4.90
Douglass, F. M., medicine,	.50
Drake, A. B., map,	22.00
Driscoll, Church & Hall, oil and soap,	35.28
Eggers, Selmar, powder and fuse,	19.15
Fairbanks, Brown & Co., scales,	125.00
Folger, D. B., flags,	6.21
Footman, J. W., tools,	83.17
Gray, C. A., collars,	14.50

Amount carried forward,	\$81,881.81
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Amount brought forward,		\$81,881.81
Greene & Wood, lumber,	191.35	
Greene, N. H., Jr., tallow,	3.80	
Greenough, W. A., & Co., directory,	2.00	
Hadley, F. R., horse medicine,	19.20	
Harrington, Augustus, posts,	1.50	
Hatch, George E., chinney top,	1.50	
Hayes, N. P., hardware,	71.32	
Hersom, Thomas, & Co., tallow,	2.80	
Jenkins, B. S., paint and glass,	51.63	
Lathrop, Elias, ointment,	8.00	
Lowe, S. C., hardware and tools,	463.66	
Lucas, A. E., belting,	35.73	
McCullough, John, canvas,	7.40	
N. B. Boiler & Machine Co., grease,	6.00	
N. B. Cordage Co., rope,	11.93	
N. B. Water Works, pipe,	8.54	
Nye, William F., oil,	1.00	
Paisler, C. S., pipe, cement, &c.,	1,478.20	
Potomska Mills, waste,	4.50	
Richards, George D., pails, brooms, &c.,	16.85	
Roatch, E. D., tools,	21.00	
Russell, Pardon, Jr., plank and ice,	51.40	
Russell, S. H., oil,	2.66	
Sawyer, S. P., hardware,	36.24	
Scollay & Rich, polish,	12.00	
Sherman, C. R., & Son, stationery,	1.60	
Sowle, F. L., hardware,	.50	
Spear, William, scrapers,	2.50	
Spooner, John, rails,	10.20	
Sullings, Kingman & Co., hardware,	27.80	
Tillinghast & Terry, lumber,	75.89	
Tillinghast, W. A., lumber,	58.27	
Tompkins, I. B., telephone trumpets,	6.00	
Waite, Williams & Co., oil,	21.98	
Wakefield Rattan Co., rattan,	14.75	
Washburn, W. H., lumber,	145.23	
West, W. R., paint,	6.45	
Whittemore, M. F., tallow,	7.00	3,545.32
Amount carried forward,		\$85,427.13

Amount brought forward, \$85,427.13

MISCELLANEOUS:

Anthony, E., & Sons, advertising,	\$18.91
Ashley, Dr. D. C., veterinary services,	140.75
Ashley, Dr. D. C., horse,	300.00
Bertram, John, & Co., concreting,	2,721.67
Brownell, H. M., carriage-hire,	48.45
Coggeshall, J. F., carpentry,	49.50
Douglass, J. O., difference in horse,	140.00
Drake, A. B., surveying,	177.60
Dunlap, A. A., veterinary services,	1.50
Edison Electric Illuminating Co.,	63.63
Faunce, C. L., carpentry,	85.64
Fire Department, pumping,	6.75
Gifford, T. J., & Co., plumbing,	3.11
Hatch, George E., plumbing,	1.38
Hathaway, A. E., horse,	300.00
Hillman, Jethro, carpentry,	474.29
Himes, John, care of lights,	.72
Hornblower, Dr. W. H., veterinary services,	39.50
International Express Co.,	.25
Jay, J. A., use of team,	8.75
Kempton, David, 2d, Est., land rent,	37.50
Kempton, F. A., Est., land rent,	200.00
Kennedy, M. F., use of casks,	6.77
Marsden, S. L., difference in crushers,	495.00
McCabe, John, care of lights,	21.00
McDonald, Thomas, care of lights,	6.36
McGlynn, John, care of lights,	8.76
Mercury Publishing Co., adv. and printing,	26.49
Murphy, Thomas, 2d, care of lights,	2.22
N. B. Gas Light Co.,	81.59
N. B. Water Works, service,	2.00
Parker's Wharf, wharfage,	40.00
Perkins & Chase, concreting,	107.50
Perry, S. F., & Son, carriage-hire,	3.50
Renihan, Thomas, care of lights,	3.96
Sargent, F. H., plating,	.40
Sealer of Weights, sealing,	3.00
Smith, A. P., land rent,	25.00
Southern Mass. Telephone Co.,	130.00
Spooner, W. E., building bank wall,	30.00
Stetson, T. M., land rent,	10.00

Amount carried forward, \$85,427.13

Amount brought forward,		\$85,427.13
Washburn, W. H., carpentry,	26.07	
West, W. R., painting,	203.89	
White, Phineas, pump, and fitting,	11.75	
Wood, E. B., & Son, carriage-hire,	1.50	6,066.62
		<u>\$91,493.75</u>
To transfer to Incidentals,		14.73
		<u>\$91,508.48</u>

CR.

By appropriation, general,		\$74,000.00
" special,		5,000.00
Labor, dirt, stone, drains, &c.,	\$3,336.08	
Error on rolls,	3.70	
Sale of land,	1,976.43	5,316.21
Other departments, stock, labor, &c.,		7,192.27
		<u>\$91,508.48</u>

PUBLIC SCHOOLS — INCIDENTALS.

Dr.

SALARIES :

Almy, Emma M., clerk,	\$550.00	
Harrington, H. F., superintendent and secy.,	1,423.02	
Paine, N. L., truant officer,	800.00	
Sherman, Ruth S., services,	30.00	
Tompkins, I. B., Jr., acting secretary,	150.00	\$2,953.02

PAY-ROLLS :

Janitors, sweepers, &c.,	8,092.92
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FUEL :

Ashley, Mary P.,	\$31.87	
Corson, T. S.,	3,362.75	
Hart & Akin,	10.25	
Holmes, A. W.,	5.50	
Notter, John,	10.00	
Porter, P. R.,	135.47	
Spencer's Wood Yard,	1.87	3,557.71

REPAIRS OF SCHOOL-HOUSES :

Almy, George L.,	\$10.35
Brightman, C. O.,	6.30
Gifford's Brass Foundry,	2.89
Hammond, F. W.,	10.00
Haskins, H. K.,	4.43
Hazzard, J. B.,	14.00
Higgins, E. O.,	1.25
Hillman, Jethro,	34.20
Holmes, D. W.,	7.68
Jenney & Buffington,	49.20
Lewis, B. F.,	95.87
Mahoney, T. E.,	4.55
Martin, E. F.,	21.73
Mason & Tripp,	65.96
Maxfield, William, & Son,	7.55
Morton, E. F.,	6.70
Peirce, A. B.,	29.00
Penney, E. F.,	7.30
Russell, D. J.,	91.30
Sanford, C. H.,	4.00

Amount carried forward,

 \$14,603.65

Amount brought forward,		\$14,603.65
Sherman, C. R., & Son,	18.54	
Sherman, Gideon,	23.70	
Spooner, John A.,	3.25	
Sullings, Kingman & Co.,	5.54	
Taber, R. A., & Co.,	18.67	
Tillinghast, W. A.,	1.91	
Underwood, C. H.,	55.47	
West, W. R.,	4.05	605.39

BOOKS AND STATIONERY:

Adams & Ingraham,	\$1.80	
Ambrose, F. M.,	2.75	
Appleton, D., & Co.,	40.00	
Clark & Maynard,	5.40	
Cowperthwaite & Co.,	208.58	
Cyclostyle Co.,	3.20	
Dews, Edwin,	6.72	
Ginn & Co.,	61.43	
Harper & Bros.,	510.68	
Holden Book Cover Co.,	250.27	
Hume, Harrison,	39.16	
Hutchinson, H. S., & Co.,	43.48	
Kane, D. J., & Bro.,	50.80	
Keuffel & Esser,	73.76	
Lawton, J. M., Jr.,	6.62	
Lee & Shepard,	26.80	
Perry, George S.,	1,423.49	
Potter, Knight, Ainsworth & Co.,	6.50	
Prang Educational Co.,	41.60	
Schoenhof, Carl,	9.00	
Thompson, Brown & Co.,	314.18	
Ware, William & Co.,	189.20	
Whiting, Charles H.,	329.42	3,917.09

REPAIRS OF HEATING APPARATUS:

Hatch, George E.,	\$109.34	
Hayden, W. G.,	35.82	
Paisler, C. S.,	1.10	
Tripp, S. A.,	511.76	
Wood, Brightman & Co.,	2.57	660.59
Amount carried forward,		\$19,786.72

Amount brought forward, \$19,786.72

SUPPLIES :

Acushnet Cooperative Association, stone pots,	\$1.80
Almy & Hitch, curtains, &c.,	16.57
American Bank Note Co., diplomas,	70.00
Bates, A. E., balls,	.50
Bates, W. M., boxes,	7.75
Bennett, Samuel, mats, brooms, &c.,	7.86
Bliss & Nye, mats, dusters, &c.,	174.80
Boden, E., Jr., music,	12.00
Bonney, C. T., Jr., sundries,	5.70
Bourne, G. A., & Son, wardrobe,	10.00
Briggs & Lawrence, furniture,	112.31
Brown, W. S., flowers,	7.50
Brownell & Co., oil finish,	3.00
Carson, C. J. R., desk covers,	12.95
Central Union Association, sponges,	5.08
Cobb, George A., stove, brooms, &c.,	17.21
DeWolf & Vincent, hardware,	17.55
Douglass, F. M., alcohol, camphor, &c.,	18.90
Eagle Pencil Co., pencils,	24.72
Eimer & Amend, chemicals and apparatus,	78.21
Enos, E. E., acid,	1.00
Footman, J. W., key,	.25
Freeman, George H., ink,	53.00
Frost, George, & Co., pencil sharpeners,	10.00
Gifford's Brass Foundry, hose, &c.,	40.25
Gifford, F. S., soap, &c.,	2.96
Gifford, T. J., & Co., tapers, &c.,	1.10
Hadley, F. R., acid,	3.50
Hart, T. M., rope,	.99
Haskell & Tripp, ribbon,	12.90
Haskell, E. S., aquarium,	5.00
Haskins, O., & Son, blackboards and easels,	25.00
Hayes, N. P., hardware,	3.57
Hazzard, J. B., blackboards,	19.00
Hines, H. S., sundries,	16.02
Hurl, C. W., clocks,	27.00
Jenney, P. P., & Son, snow shovel,	.45
Kelley, W. L., clocks,	9.25
Mathews, W. H., letter press,	6.00
McAfee, J. K., waste,	.50

Amount carried forward, \$19,786.72

Amount brought forward,		\$19,786.72
McCullough, John, shovels,	2.00	
N. B. Cordage Co., rope,	1.49	
Ottiwell, S. D., table cloth,	2.00	
Paine, S. S., & Bro., lime, &c.,	4.32	
Perry, George S., mats,	7.20	
Purrlington & Brown, brushes, &c.,	20.53	
Reed, William & Sons, cadet rifle,	6.50	
Richards, George D., brooms, mats, &c.,	67.16	
Sawyer, S. P., coal hods,	1.20	
Slocum, F. R., furniture,	10.45	
Smith, Henry, sundries,	4.67	
Soule, William T., crape,	6.37	
Sullings, Kingman & Co., hardware,	47.24	
Sullivan, D. J., clocks,	20.75	
Taber, R. H., fire pumps,	72.00	
Taylor, H. J., brooms, mats, &c.,	13.28	
Taylor, W. T., brushes, &c.,	4.62	
Tompkins, I. B., Jr., sundries,	14.15	
Tripp, Le Roy G., sundries,	6.68	
Vinal & Tuell, soap, &c.,	2.07	
Whitcomb, A. G., desks, book-case, &c.,	502.35	
Whiting, E. B., & Co., towels,	.60	
Whittemore, M. F., soap,	1.05	
Wing, C. F., carpets, desk covers, &c.,	106.84	1,767.67

MISCELLANEOUS :

Allen, Mrs. A. L., cleaning,	\$10.00
Allen's Express,	2.50
Almy & Hitch, labor,	12.30
Almy, E. M., washing towels,	3.00
Anthony, E., & Sons, advertising and printing,	86.43
Ashley, Mary P., cleaning,	8.00
Barbour, J. R., labor,	14.05
Briggs & Lawrence, use of chairs,	15.12
Carson, C. J. R., washing towels,	37.92
Corish, John, labor,	8.00
Dartmouth street sewer tax,	78.72
Duff, David, & Son, carting,	2.00
Edison Electric Illuminating Co.,	227.55
Freetown, Town of, tuition,	25.00
Gammons, E. H. cleaning vaults,	34.50
Gammons, L. M., covering books,	14.95

Amount carried forward,	<hr/> \$21,554.39
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Amount brought forward,	\$21,554.39
Gomley, J. A., carting,	16.00
Gray, C. A., freight and carting,	42.59
Hammond, F. W., carpentry,	6.50
Harrington, H. F., expenses,	10.18
Hatch & Co.,	13.35
Hathaway, G. B., writing diplomas,	22.00
Howland, J., Jr., expenses,	6.60
International Express Co.,	.55
Jenney, P. P., & Son, repairing tools,	9.64
Kelley, W. L., repairing clocks,	2.50
Lumbard, John, labor,	23.20
Mathews, W. H., expenses of committee,	18.60
McFarlin, James, carting,	.75
Mercury Pub. Co., advertising and printing,	239.08
Merrick, E. J., covering books,	5.75
Moore, Mrs., cleaning,	5.40
Morgan, E. T., washing towels,	14.60
Mosher, C. E. E., services,	17.00
Moulton, A. G., carting,	14.25
N. B. Electric Light Co.,	63.00
N. B. Gas Light Co.,	316.81
Old Colony R. R. Co., freight,	5.78
Old Colony S. S. Co., freight,	1.91
Opera House Bill Posting Co.,	3.00
Other, Samuel, labor,	9.60
Ottiwell, S. D., services,	100.00
Paine, N. L., use of horse, &c.,	25.50
Peirce, William, labor,	36.35
Perry, S. F., & Son, carriage-hire,	3.25
Phillips, H. T., repairing furniture,	64.75
Potter, George A., painting fence,	9.31
Sherman, Annie, covering books,	3.50
Sherman, C. R., & Son, repairing gongs, &c.,	27.96
Sherman, J. C., repairing lock,	1.10
Sherman, Ruth S., covering books,	2.80
Sherman, W. H., carriage-hire,	24.50
So. Mass. Telephone Co.,	74.00
Stanton, E. W., expenses,	6.15
Sullivan, D. J., repairing clocks,	9.20
Sullivan, Jerry, carting,	3.75
Swasey, Marian, covering books,	2.40
Taber, W. H., labor,	25.80
Amount carried forward,	<hr/> \$21,554.39

Amount brought forward,		\$21,554.39
Tompkins, I. B., Jr., expenses,	25.00	
Tripp, H. R., carting,	1.75	
Washburn, F. A., labor,	5.00	
Wilbur, A. G., repairing clock,	1.50	
Wilson, E. T., carriages,	6.00	
Wood, A. A., labor,	7.00	
Wood, J. A., labor,	10.80	1,926.05
		<u>\$23,480.44</u>
To transfer to Incidentals,		26.27
		<u>\$23,506.71</u>

CR.

By appropriation, general,	\$22,000.00	
" special,	1,500.00	\$23,500.00
Error in rolls,	1.00	
Amount returned,	5.71	6.71
		<u>\$23,506.71</u>

REPAIRS OF CITY PROPERTY.

DR.

ALMS-HOUSE:

Allen, D. H., labor,	\$108.00	
Bertram, John, & Co., repairing roof,	12.62	
Coggeshall, Maxfield & Co., ventilators, &c.,	30.55	
Delano, Gustavus, plastering,	25.69	
DeWolf & Vincent, hardware,	3.64	
Faunce, C. L., carpentry,	117.97	
Greene & Wood, lumber,	82.72	
Hayes, N. P., hardware,	5.00	
Luce, F. C., iron-work,	2.50	
N. B. Boiler & Machine Co., labor,	65.69	
Paisler, C. S., hair and lime,	4.20	
Penney, E. F., plumbing, &c.,	113.12	
Perkins & Chase, concreting,	106.50	
Sturtevant & Sherman, doors,	9.00	
Sullings, Kingman & Co., hardware,	5.28	
Tillinghast, W. A., lumber,	29.07	\$721.55

CITY HALL BUILDING:

Barrows & Lawton, glazing,	\$1.35	
Briggs & Lawrence, repairing settees,	16.85	
Brownell & Co., paint,	28.40	
Coggeshall, Maxfield & Co., plumbing, &c.,	4.35	
DeWolf, Charles, carpentry,	4.31	
Edison Electric Ill. Co., wiring, &c.,	174.00	
Gifford, T. J., & Co., gas fitting,	4.10	
Hatch, George E., repairing stoves, &c.,	7.38	
Hathaway, L. J., ladder,	2.20	
Hayden, W. G., grate, &c.,	6.53	
Hillman, Jethro, carpentry,	2.70	
Holmes, D. W., masonry,	79.62	
Jenney, P. P., & Son, repairing tools, &c.,	10.02	
Lewis, B. F., painting,	37.82	
Lowe, S. C., storing and repairing stoves,	15.75	
Palmer, E. C., carpentry,	16.57	
Richards, George D., water cooler,	3.50	
Seals, H. J., labor,	10.00	
Sherman, J. C., repairing locks, keys, &c.,	6.25	
Taber & Pope, carpentry,	34.19	

Amount carried forward,

 \$721.55

Amount brought forward,		\$721.55
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Taylor, H. J., mats,	3.30	
Wady, A. B., painting, &c.,	27.25	496.44

CITY HALL SQUARE:

Caswell, W. H., painting,	\$21.59	
Jenney, P. P., & Son, labor,	27.36	
Luce, F. C., iron-work,	4.62	
Macomber Bros., seed,	4.23	
Maxfield, Russell, superintendent,	366.00	
Sullings, Kingman & Co., wire,	.25	424.05

CITY STABLES:

Mercury Pub. Co., advertising,		6.25
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COMMON:

Baylies, William, salt,	\$3.75	
Brown, A. J., carting,	1.00	
Coggeshall, W. P., gravel,	9.61	
Coggeshall, Maxfield & Co., dippers,	.75	
Durfee, E. M., iron-work,	3.09	
Gillis, Alexander, mowing,	12.00	
Haskins, H. K., carpentry,	30.40	
Jenney, P. P., & Son, tools and labor,	56.18	
Luce, F. C., iron-work,	3.94	
Pierce, C. C., painting,	30.10	
Skiff, S. B., repairing ladder,	1.00	
Street Department, repairing gutter,	5.50	
Sullings, Kingman & Co., brooms, &c.,	3.20	
Taber, C. C., superintendent,	547.50	
Taber, R. A., & Co., drain,	16.99	725.01

LIBRARY BUILDING:

Allen, D. H., carpentry,	\$106.62	
Almy & Hitch, awnings, curtains, &c.,	26.74	
Barrows & Lawton, painting,	2.24	
Bliss & Nye, cuspadores, &c.,	7.62	
Borden, C. F., repairing desk,	25.00	
Briggs & Lawrence, furniture,	48.78	
Brightman & Washburn, carpentry,	23.43	
Brown, W. S., labor,	23.75	
Caswell, W. H., glazing,	.75	
Coggeshall, Maxfield & Co., plumbing, &c.,	130.22	

Amount carried forward,		\$2,373.30
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Amount brought forward,		\$2,373.30
Cranston, O. W., shades, &c.,	5.75	
DeWolf, Charles, carpentry,	2.00	
DeWolf & Vincent, office railing,	15.59	
Durfee, E. M., iron-work,	1.48	
Edison Electric Ill. Co., wiring, &c.,	104.17	
Faunce, C. L., carpentry,	3.65	
Geils, Gerett, chair,	15.00	
Gifford, O. E., painting,	19.86	
Gifford, T. J., & Co., sprinkler, &c.,	6.83	
Gray, C. A., carting,	1.25	
Greene, M. S., masonry,	3.80	
Hart & Akin, painting,	4.43	
Hatch, George E., copper gutter, &c.,	12.40	
Hathaway, L. J., carpentry,	1.00	
Hayes, N. P., hardware,	8.55	
Hillman, Jethro, carpentry,	90.34	
Holmes, D. W., masonry,	92.46	
Jenkins, B. S., painting,	32.55	
Jenney, P. P., & Son, repairing furniture, &c.,	10.92	
Kilcoine, Luke, plastering,	75.00	
Luce, F. C., iron-work,	6.00	
Moriarty Bros., painting,	7.55	
N. B. Boiler & Machine Co., repairing boiler,	25.97	
N. B. Gas Light Co., argand,	3.00	
Paine Furniture Co.,	103.00	
Piper, A. D., labor,	4.00	
Richards, George D., mats, &c.,	7.30	
Sargent, F. H., plating,	12.00	
Sherman, J. C., keys, &c.,	9.25	
Sherman, J. H., plumbing,	8.40	
Skiff, S. B., iron-work,	5.50	
Slocum, F. R., cushions,	10.00	
Snow, J. L., carpentry,	12.60	
Sullings, Kingman & Co., hardware,	4.50	
Taber, R. A., & Co., masonry,	2.87	
Taber & Pope, carpentry,	22.25	
Taylor, W. T., brooms,	4.50	
Washburn, W. H., lumber,	.24	
Wing, C. F., carpets, &c.,	113.70	1,264.81
Amount carried forward,		<hr/> \$3,638.11

Amount brought forward, \$3,638.11

POLICE STATIONS :

Barrows & Lawton, painting,	\$41.00	
Caswell, W. H., painting,	2.03	
Coggeshall, Maxfield & Co., plumbing, &c.,	65.08	
Edison Electric Ill. Co., wiring, &c.,	15.70	
Faunce, C. L., carpentry,	201.83	
Hathaway, D. L., carpentry,	1.44	
Kern & Wright, painting,	12.18	
Look, J. W., carpentry,	37.94	
Martin, H. F., labor,	24.25	
Moriarty Bros., painting,	.80	
Nelson, George, masonry,	14.49	
Raymond, E. P., coal,	13.75	
Snow & Gilbert, painting,	54.52	
Sowle, F. A., sash,	45.00	
Street Department, filling and grading,	10.08	
Sturtevant & Sherman, lumber,	10.61	
Sullings, Kingman & Co., shovel,	.90	
Taylor, W. T., curtains, &c.,	18.95	
Tillinghast, W. A., lumber,	36.51	
Wood, Brightman & Co., plumbing,	123.84	730.90

WARD ROOMS :

Higgins, E. O., repairing stove,	\$.25	
Moriarty Bros., painting,	43.98	
N. B. Gas Light Co., piping and fixtures,	40.35	
Sherman, J. C., repairing lock,	1.50	
Wood, Brightman & Co., stove and pipe,	12.00	98.08

MISCELLANEOUS :

Aeushnet Iron Co., castings,	\$1.28	
Anthony, E., & Sons, advertising,	7.25	
Faunce, C. L., carpentry, powder-house,	23.94	
Holecomb, Monroe, expenses,	3.50	
Jenney, P. P., & Son, fence,	12.06	
Nelson, George, masonry, powder-house,	6.81	
Old Colony R. R. Co., freight,	1.51	
Swift, T. W., pump, and repairing,	31.25	
White, Phineas, repairing pumps,	10.45	
Wood, E. B., & Son, carriage-hire,	3.50	101.55

\$4,568.64

CR.

By appropriation,	\$3,500.00	
Special appropriation,	800.00	
Transfer from Unappropriated Funds,	239.56	\$4,539.56
Amount returned,		29.08
		<hr/>
		\$4,568.64
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SEWERS — GENERAL ACCOUNT.

DR.

Pay-rolls, labor,	\$4,643.03
Ackley, J. J., freight,	24.00
Ashley, J. T., sharpening tools,	7.12
Bertram, John & Co., repairing wharf, &c.,	1,442.94
Borden, C. M., logs,	1.50
Bradford, W. L., pails,	1.08
Brownell, G. K., rubber boots,	7.25
Brownell, H. M., sand,	2.20
Brownell, Dr. W. E., professional services,	2.00
Burgess, J. M., land rent,	125.00
Caswell, N. H., iron-work,	1.00
Caswell, O. F., sharpening tools, &c.,	253.37
Cobb, J. Q. A., canvas,	25.00
Coggeshall, C. W., blocks and labor,	12.80
Cornell, C. R., hacking,	1.00
Corson, T. S., teaming,	364.00
Cowing, W. H., cutting sand-catchers,	75.00
Cushing, C. F., washers,	.60
Davis, C. E., services of diver,	20.00
DeWolf & Vincent, tools, &c.,	61.19
Division Street Sewer, pipe,	342.93
Drake, A. B., surveying,	184.50
Duddy, James, carting,	24.00
Duff, David, & Son, stone, dirt, and carting,	644.68
Edson Mfg. Co., diaphragms,	13.10
Eggers, S., powder and fuse,	57.80
Fichtenmayer & Flynn, sharpening tools,	7.08
Fire Department, hose,	36.00
Footman, J. W., sharpening tools, &c.,	51.09
Gray, C. A., carting,	5.25
Greene & Wood, lumber,	34.55
Grinnell, Edmund, castings,	449.18
Hart, T. M., twine,	1.60
Hayes, N. P., hardware,	.50
Hillman, Jethro, carpentry,	100.90
Howland, J. W., spiles,	315.00
Jay, J. A., use of team,	7.15
Jenkins, B. S., paint,	1.10
Jenney & Buffington, pipe and labor,	18.15
Lanagan, John, old carpet,	2.25
Lowe, S. C., tools, &c.,	218.64
Luce, F. C., iron-work,	13.05

McCue, John, stone and labor,	11.70	
McCullough, John, rope and canvas,	19.50	
N. B. Cordage Co., rope,	11.53	
N. B. Water Works, pipe, &c.,	13.79	
Paine, S. S., & Bro., brick and cement,	61.82	
Paisler, C. S., pipe, &c.,	8,179.49	
Peets, Henry, & Co., cutting pipe,	.50	
Richards, George D., pails,	2.05	
Sawyer, S. P., dippers and pails,	2.31	
Sherman, J. B., use of float,	2.00	
Sherman, J. L., & Co., lumber,	98.49	
Sherman, W. D., sharpening tools,	.75	
Skiff, S. B., hammers,	7.60	
Soule, W. T., cloth,	.80	
Sowle, N. P., lumber,	.90	
Street Department, labor, teams, &c.,	3,334.83	
Sturtevant & Sherman, carpentry,	109.20	
Sullings, Kingman & Co., tools,	4.50	
Sylvia, A. A., sharpening tools,	9.34	
Taylor, Dr. W. H., professional services,	3.00	
Tillinghast, W. A., lumber,	59.04	
Tillinghast & Terry, lumber,	85.47	
Tripp, T. B., use of cart,	25.00	
Vignault, Calypte, pails,	.90	
Warren Foundry & Machine Co., pipe, &c.,	238.89	
Washburn, W. H., lumber,	3.47	
West, W. R., glazing,	1.30	
White, Phineas, repairing pumps, &c.,	21.35	
Wood, Brightman & Co., repairing water pipe,	3.75	\$21,911.85

CR.

By appropriation,	\$1,000.00	
Special appropriations,	12,114.66	\$13,114.66
Transfer from Unappropriated Funds,	1,888.83	
Transfer from Chestnut Street Sewer,	86.91	
Transfer from Division Street Sewer,	319.37	2,295.11
Sale of material, &c., to other sewer accounts,	3,345.09	
Sale of material, &c., to other accounts,	3,156.49	6,501.58
Amount returned, overpaid,		.50
		<u>\$21,911.85</u>

SEWERS — ACUSHNET AVENUE No. 4.

DR.

Pay-rolls, labor,	\$115.37	
Blackmer Street Sewer, sharpening tools,	9.96	
Drake, A. B., grades and plans,	16.00	
General Sewer Account, pipe, &c.,	126.20	
Street Department, stock and teaming,	20.30	\$287.83
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CR.

By special appropriations,	\$277.87	
Transfer from South Street Sewer,	9.96	\$287.83
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SEWERS — ALLEN STREET, No. 2.

DR.

Pay-rolls, labor,	\$300.38	
Drake, A. B., grades and plans,	14.50	
General Sewer Account, pipe and labor,	316.35	
Street Department, stock and teaming,	7.15	
Sylvia, A. A., sharpening tools,	35.13	\$673.51
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CR.

By special appropriations,	\$651.86	
Transfer from Unappropriated Funds,	21.65	\$673.51
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SEWERS — AUSTIN STREET, No. 3.

DR.

Pay-rolls, labor,	\$480.46	
Caswell, O. F., sharpening tools,	27.73	
Drake, A. B., grades and plans,	13.00	
General Sewer Account, castings, &c.,	15.90	
Street Department, stock and teaming,	17.60	\$554.69
To transfer to Incidentals,		45.31
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		\$600.00
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CR.

By special appropriation,	\$600.00	
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SEWERS — BLACKMER STREET.

DR.

Pay-rolls, labor,	\$265.60	
Drake, A. B., grades and plans,	19.00	
Eggers, S., powder and fuse,	5.00	
General Sewer Account, pipe and castings,	174.72	
Paisler, C. S., brick and cement,	19.13	
Sherman, W. D., sharpening tools,	18.13	
Street Department, stock and teaming,	16.80	
Sylvia, A. A., sharpening tools,	7.20	\$525.58
To transfer to Incidentals,		9.96
		<u>\$535.54</u>

CR.

By special appropriations,	\$525.58	
Acushnet Avenue Sewer, No. 4,	9.96	\$535.54

SEWERS — BONNEY STREET.

DR.

Pay-rolls, labor,	\$2,661.48	
Caswell, O. F., sharpening tools,	183.66	
DeWolf & Vincent, pails,	1.75	
Drake, A. B., grades and plans,	34.00	
Eggers, S., powder and fuse,	34.00	
General Sewer Account, pipe, &c.,	1,651.16	
N. B. Water Works, repairing water pipe, &c.,	17.11	
Paisler, C. S., brick and cement,	63.50	
Street Department, labor, stock, and teaming,	858.15	
Sylvia, A. A., sharpening tools,	85.61	\$5,590.42

CR.

By special appropriations,	\$5,589.17	
Transfer from South Street Sewer,	1.25	\$5,590.42

SEWERS — CHESTNUT STREET.

DR.

Pay-rolls, labor,	\$97.40	
Drake, A. B., grades and plans,	8.00	
Street Department, stock and teaming,	3.20	\$108.60
To transfer to Incidentals,	4.49	
“ “ General Sewer Account,	86.91	91.40
		<u>\$200.00</u>

CR.

By special appropriation,	<u>\$200.00</u>
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SEWERS — COGGESHALL STREET.

DR.

Pay-rolls, labor,	\$2,969.56	
Ashley, J. T., sharpening tools, &c.,	107.92	
Drake, A. B., grades and plans,	44.00	
Footman, J. W., sharpening tools,	104.77	
General Sewer Account, pipe and castings,	1,865.40	
Paisler, C. S., brick and cement,	88.25	
Street Department, stock and teaming,	110.55	\$5,290.45

CR.

By special appropriations,	<u>\$5,290.45</u>
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SEWERS — COTTAGE STREET, No. 2.

DR.

Pay-rolls, labor,	\$1,009.80	
Drake, A. B., grades and plans,	23.00	
General Sewer Account, pipe,	373.50	
King, W. F., sharpening tools,	48.73	
N. B. Water Works, repairing water pipe,	1.25	
Paisler, C. S., brick and cement,	26.25	
Street Department, stock and teaming,	35.98	\$1,518.51

CR.

By special appropriations,	\$1,511.48	
Transfer from South Street Sewer,	7.03	\$1,518.51

SEWERS — COUNTY STREET.

DR.

General Sewer Account, pipe,	\$121.77	
Rockland Street Sewer, labor,	19.50	
Street Department, stock and teaming,	20.36	
West, W. R., glazing,	26.50	\$188.13
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CR.

By special appropriation,	<hr/>	\$188.13
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SEWERS — DELANO STREET.

DR.

Pay-rolls, labor,	\$147.27	
Drake, A. B., grades and plans,	13.00	
General Sewer Account, pipe and castings,	162.50	
N. B. Water Works, labor on water pipe,	19.41	
Paisler, C. S., brick and cement,	18.30	
Sherman, W. D., sharpening tools,	8.03	
Street Department, stock and teaming,	11.75	\$380.26
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CR.

By special appropriations,	<hr/>	\$380.26
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SEWERS — DIVISION STREET.

DR.

Moriarty Bros., painting,	\$6.00	
Street Department, stock and teaming,	17.56	\$23.56
To transfer to General Sewer Account,		319.37
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		\$342.93
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CR.

By General Sewer Account, pipe,	<hr/>	\$342.93
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SEWERS — OAK AND GRAPE STREETS.

DR.

Pay-rolls, labor,	\$10,771.27	
Borden, C. M., logs,	2.75	
Caswell, N. H., sharpening tools,	43.73	
Coggeshall, J. F., sand,	164.64	
Dias, Manuel, medical attendance,	10.00	
Drake, A. B., grades and plans,	54.80	
Eggers, S., powder and fuse,	43.00	
Gifford's Brass Foundry, castings,	1.97	
Greene & Wood, lumber,	61.41	
Hayes, N. P., nails, &c.,	5.90	
Hillman, Jethro, carpentry,	66.80	
Lowe, S. C., tools, &c.,	76.90	
Luce, F. C., iron-work,	4.13	
N. B. Water Works, repairing water pipe, &c.,	6.15	
Paisler, C. S., pipe and cement,	2,576.28	
Parker, Frederick, powder,	128.00	
Sawyer, S. P., oil can,	1.00	
Skiff, S. B., tools,	42.39	
Street Department, stock and labor,	205.33	
Sylvia, A. A., sharpening tools, &c.,	304.54	
Taber, C. G., sharpening tools,	21.83	
Tillinghast, W. A., lumber,	58.25	
Washburn, W. H., lumber,	43.80	
West, W. R., painting fence, &c.,	10.23	\$14,705.10

CR.

By special appropriations,	\$13,700.00	
Transfer from South Street Sewer,	428.61	
“ “ Unappropriated Funds,	576.49	\$14,705.10

SEWERS — PEARL AND WILLIS STREETS
EXTENSION.

DR.

Pay-rolls, labor,	\$153.49	
Drake, A. B., surveying,	73.00	
Hamer & Borden, driving piles,	76.30	
Hayes, N. P., tools,	4.74	
Look, J. W., carpentry,	30.35	
N. B. Water Works, pipe,	117.70	
Skiff, S. B., iron-work,	19.92	\$475.50
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CR.

By special appropriation,	\$400.00	
Transfer from Unappropriated Funds,	75.50	\$475.50
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SEWERS — ROCKLAND ST. AND CONNECTIONS.

DR.

Caswell, N. H., sharpening tools,	\$53.64	
Greene & Wood, lumber,	15.43	
Kane, Patrick, damage to plants,	16.00	
Sowle, F. L., hardware, &c.,	5.58	
Street Department, stock and teaming,	237.73	\$328.38
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CR.

By special appropriation,	\$308.88	
County Street Sewer, labor,	19.50	\$328.38
		<hr/>

SEWERS — SOUTH STREET.

DR.

Pay-rolls, labor,	\$446.21	
Drake, A. B., grades and plans,	32.00	
General Sewer Account, pipe, &c.,	426.68	
Paisler, C. S., brick and cement,	35.00	
Savage, J. W., repairing water pipe,	1.25	
Sherman, W. D., sharpening tools,	15.03	
Street Department, stock, teaming, and paving,	96.98	\$1,053.15

To transfers to:

Acushnet Avenue Sewer, No. 4,	\$9.96	
Bonney Street Sewer,	1.25	
Cottage Street Sewer,	7.03	
Oak and Grape Streets Sewer,	428.61	446.85
		<u>\$1,500.00</u>

CR.

By special appropriation,	<u>\$1,500.00</u>
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SEWERS — SOUTH FRONT STREET.

DR.

Pay-rolls, labor,	\$358.25	
Drake, A. B., grades and plans,	33.00	
General Sewer Account, pipe and castings,	434.50	
Paisler, C. S., brick and cement,	30.10	
Street Department, stock and teaming,	24.82	
Sylvia, A. A., sharpening tools,	6.09	\$886.76

CR.

By special appropriations,	<u>\$886.76</u>
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SEWERS — TREMONT STREET.

DR.

Pay-rolls, labor,	\$762.44	
Caswell, O. F., sharpening tools,	86.65	
Drake, A. B., grades and plans,	19.00	
General Sewer Account, pipe,	148.95	
Paisler, C. S., cement,	4.50	
Street Department, stock and teaming,	21.58	\$1,043.12
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CR.

By special appropriation,	\$1,043.12
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SEWERS — UNION STREET, No. 2.

DR.

Pay-rolls, labor,	\$2,116.05	
Caswell, O. F., sharpening tools,	103.40	
Drake, A. B., grades and plans,	35.00	
General Sewer Account, pipe and castings,	683.95	
Paisler, C. S., cement and brick,	96.15	
Street Department, stock and teaming,	86.40	\$3,120.95
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CR.

By special appropriations,	\$3,120.95
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SEWERS — WARWICK STREET.

DR.

Pay-rolls, labor,	\$96.48	
Drake, A. B., grades and plans,	9.00	
Paisler, C. S., pipe and cement,	46.05	
Street Department, stock and teaming,	5.85	\$157.38
To transfer to Incidentals,		142.62
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		\$300.00
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CR.

By special appropriation,	\$300.00
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SEWERS — WELD STREET.

DR.

Pay-rolls, labor,	\$533.58	
Drake, A. B., grades and plans,	10.00	
Eggers, S., powder and fuse,	4.50	
Footman, J. W., sharpening tools,	10.97	
Paisler, C. S., cement, &c.,	2.15	
Street Department, stock and teaming,	46.45	
Washburn, W. H., lumber,	2.51	\$610.16

CR.

By special appropriation,	\$553.71	
Transfer from Unappropriated Funds,	56.45	\$610.16

PUBLIC SCHOOLS — REPAIRS OF BUILDINGS.

DR.

ACUSHNET:

Barker, C. W., building fence,	\$4.65	
Maxfield, Wm. & Son., painting,	11.37	16.02

ACUSHNET AVENUE:

Chase, Ezra B., carpentry,	\$12.75	
Hayden, W. G., plumbing,	45.16	
Jenney & Buffington, masonry,	117.85	
Maxfield, Wm. & Son, painting,	1.65	177.41

ARNOLD STREET:

DeWolf, Chas., carpentry,	\$1.50	
Hammond, F. W., carpentry,	23.11	
Pierce, A. B., whitewashing,	11.00	
Snow & Gilbert, painting,	.40	36.01

CANNONVILLE:

Bliss, M. H., carpentry,	\$35.77	
Taber, R. A. & Co., masonry,	6.95	42.72

Amount carried forward,		\$272.16
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AUDITOR'S REPORT.

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Amount brought forward,		\$272.16
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CEDAR STREET :

Hatch, Geo. E., plumbing,	\$2.50	
Hillman, Jethro, carpentry,	3.30	
Lewis, B. F., painting,	3.70	9.50

CEDAR GROVE STREET :

Coggeshall, Maxfield & Co., plumbing,	\$15.75	
Haskins, O. & Son, carpentry,	3.20	
Tillinghast, W. A., lumber,	.72	
West, W. R., glazing,	.50	
Wood, Brightman & Co., plumbing,	27.29	47.46

CLARK'S POINT :

Morris, J. N., carpentry,	\$3.00	
White, Phineas, repairing pump,	1.50	4.50

DARTMOUTH STREET :

Almy, G. L., carpentry,	\$8.80	
Sowle, F. A., blinds, &c.,	18.88	27.68

FIFTH STREET :

Brownell & Co., paint and brushes,	\$6.38	
Deane, Thos., paving,	2.00	
Greene & Wood, lumber,	8.97	
Hart & Akin, painting,	165.68	
Mahoney, T. E., plumbing,	10.96	
Nelson, Geo., masonry,	20.36	
Russell, D. J., carpentry,	318.88	
Tripp, S. A., pipe and labor,	87.10	620.33

FOURTH STREET :

DeWolf, Chas., carpentry,	\$10.25	
Gifford's Brass Foundry, labor, &c.,	61.62	
Mason & Tripp, stone and labor,	14.08	
Pierce, A. B., whitewashing,	6.10	
Snow & Gilbert, painting,	30.45	122.50

GROVE SCHOOL :

Bertram, John & Co., earth,		10.00
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Amount carried forward,		\$1,114.13
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Amount brought forward,		\$1,114.13
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HIGH SCHOOL:

Coggeshall, Maxfield & Co., plumbing,	\$.90	
Gifford's Brass Foundry, plumbing,	17.08	
Hart & Akin, painting,	7.80	
N. B. Boiler Co., grate, bars, &c.,	41.88	
Perkins & Chase, repairing roof,	3.50	
Perkins & Staples, concreting,	35.00	
Russell, D. J., carpentry,	65.60	
Sturtevant & Parker, painting,	7.95	
Taber, R. A. & Co., masonry,	4.63	184.34

HIGH STREET:

Look, J. W., carpentry,	\$3.04	
Street Dept., cleaning reservoir,	11.70	14.74

KEMPTON STREET:

Look, J. W., carpentry,	\$15.92	
Sturtevant & Parker, glazing,	2.45	
Wood, Brightman & Co., repairing hydrant,	14.25	32.62

LINDEN STREET:

Briggs, Geo. E., carpentry,	\$92.11	
Lewis, William, shingles,	77.50	
Moriarty Bros., painting,	98.27	
Tripp, S. A., pipe and labor,	4.67	272.55

MAXFIELD STREET:

Gifford, T. J. & Co., repairs of boiler,	\$180.91	
Hatch, Geo. E., plumbing,	.75	
Lewis, B. F., painting,	206.58	
Mason & Tripp, masonry,	2.45	
N. B. Boiler & Machine Co., repairing heater,	61.40	
Phinney, Nathan, whitewashing,	7.00	
Tillinghast, W. A., lumber,	3.74	462.83

MERRIMAC STREET:

Morris, J. N., carpentry,	\$5.23	
Perkins, A. W., concreting,	26.00	31.23

Amount carried forward,		<u>\$2,112.44</u>
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Amount brought forward,		\$2,112.44
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MIDDLE STREET:

Babbitt, Wood & Co., iron column,	\$8.61	
Brightman, C. O., carpentry,	50.81	
Coggeshall, Maxfield & Co., tin and labor,	4.25	
Hammond, F. W., carpentry,	19.38	
Holmes, D. W., masonry,	12.70	
Lewis, B. F., painting,	128.28	
Wood, Brightman & Co., plumbing,	2.25	226.28

PARKER STREET:

Hatch, Geo. E., plumbing,	\$22.19	
Hillman, Jethro, carpentry,	96.61	
Lewis, B. F., painting,	53.78	
Mason & Tripp, masonry,	54.31	226.89

PLAINVILLE:

Morton, E. F., masonry,	\$28.88	
Paisler, C. S., cement,	3.00	
Poole, P. S., labor,	12.50	
Tillinghast, W. A., lumber,	8.42	
Washburn, F. P., carpentry,	5.00	57.80

ROCKDALE:

Bliss, M. H. Est., carpentry,		16.85
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THOMPSON STREET:

Brownell & Murkland, carpentry,	\$203.49	
Greene & Wood, lumber,	255.74	
Hayes, N. P., hardware,	17.07	
Hillman, Jethro, carpentry,	24.70	
Lewis, B. F., painting,	96.22	
Lloyd Bros., slating,	5.01	
N. B. Boiler & Machine Co., repairing boiler,	134.88	
Tillinghast & Terry, lumber,	169.56	
Washburn, W. H., lumber,	72.17	
Wood, Brightman & Co., ventilator,	3.50	
Wood, Jas. A., setting post,	1.00	983.34

WILLIAM STREET:

Bliss, M. H., carpentry,	\$14.68	
Caswell, W. H., painting,	8.45	
DeWolf, Chas., carpentry,	1.55	
Haskins, O. & Son, carpentry,	1.00	
Taber & Pope, carpentry,	2.15	27.83

Amount carried forward,		\$3,651.43
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Amount brought forward,	\$3,651.43
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MISCELLANEOUS :

Brightman, C. O., carpentry,	\$27.95	
Haskins, O. & Son, carpentry,	6.95	
Jenney & Buffington, masonry,	24.97	
Look, J. W., carpentry,	1.85	
Sturtevant & Parker, painting,	56.66	118.38
		<hr/> \$3,769.81
To transfer to Incidentals,		149.07
Balance,		100.00
		<hr/> \$4,018.88

CR.

By appropriation, General,	\$3,000	
Appropriation, Special,	1,000	\$4,000.00
Amount returned,		18.88
		<hr/> \$4,018.88

INCIDENTALS.

DR.

ADVERTISING AND PRINTING :

Anthony, E. & Sons,	\$282.67	
Boston Daily Advertiser,	75.90	
Curtis, Guild & Co.,	12.00	
Journal Newspaper Co.,	72.00	
Mercury Pub. Co.,	1,664.94	
Post Pub. Co.,	5.00	
Raymond, E. P.,	24.87	2,147.38

ASSESSORS :

Anthony, E. & Sons, Standard,	\$6.00
Austin, J. H. C.,	73.50
Dews, Edwin, books and stationery,	124.91
Fish, A. F., carriage hire,	15.00
Greenough, W. A. & Co., directory,	2.00
Jacobs, H., pens,	5.00
Mercury Pub. Co., advertising and printing,	72.06
Mills, M. T.,	300.50

Amount carried forward,	<hr/> \$2,147.38
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Amount brought forward,		\$2,147.38
Paul, Frank,	103.50	
Rodgers, J. D.,	59.00	
Russell, W. A., expenses,	5.05	
Sherman, C. R. & Son, stationery,	1.50	
Smith, J. K.,	82.50	
Soule, W. T., towels,	1.50	
Tinkham, Otis,	297.25	
Topham, R. R.,	340.50	
Tuell, C. A.,	271.25	1,761.02

BOARD OF HEALTH:

Anthony, E. & Sons, advertising and printing,	\$24.03	
Bertram, F. M., services,	56.00	
Brownell, E. C., provisions,	2.14	
Cassidy, George, services,	383.00	
Central Union Association, brimstone, &c.,	22.11	
Dews, Edwin, books and stationery,	14.50	
Gammons, E. H., removing nuisances,	38.00	
Hadley, F. R., oil of peppermint, &c.,	24.50	
Hathaway, J. C., removing nuisances,	20.50	
Lawton, C. H. & H. A., sundries,	4.95	
Mercury Pub. Co., advertising and printing,	74.60	
Penney, E. F., services,	12.50	
Raymond, E. P., advertising,	4.37	
Richards, G. D., duster,	2.00	
Swift, Dr. W. N., post mortems,	163.00	
Wordell Bros., provisions,	.98	847.18

DAMAGES AND LEGAL EXPENSES:

Bonney, Charles T.,	\$50.00
Bonney, Mrs. Mary E.,	500.00
Burke, James,	84.24
City Solicitor,	307.85
City Treasurer,	40.09
Clifford, C. W.,	100.00
Collector of Taxes,	37.75
Cook, T. W.,	150.00
Corey, Andrew T.,	300.00
Gibbs, Sophia A.,	42.40
Gilbert, Nathaniel,	60.00
Hamlin, S. B.,	5,631.80
Haughey, John,	100.00
Hayden, John D.,	250.00

Amount carried forward,	<hr/> \$4,755.58
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Amount brought forward,		\$4,755.58
Hennessey, Timothy,	100.00	
Hoar, E. R.,	50.00	
Holmes, L. LeB.,	69.96	
Kirby, Cora L. and Frank R.,	50.00	
Manchester, Ellery,	31.27	
Rotch, Morgan,	31.15	
Sanford & Manchester,	75.00	
Smith, Richard,	240.00	
Stetson, T. M.,	250.00	
Street Department,	358.53	
Wadsworth, Louisa,	500.00	
White, Annie M.,	57.30	
Willcox, H. T.,	175.00	9,642.34

ELECTIONS:

Almy, James T., precinct stamps,	\$10.00	
Anthony, E. & Sons, advertising,	376.94	
Bradley, W. E., carriage hire,	6.00	
Brownell, H. M., carriage hire,	19.00	
Coffin Bros., boxes,	9.90	
Corson, T. S., coal,	2.48	
Denham, J. R., rent, &c.,	45.50	
Dews, Edwin, books and stationery,	56.86	
Douglass, A. R., labor,	1.25	
Edgerton, P. H., rent,	50.00	
Evening Telegram, advertising,	100.00	
Gomley, John A., carting,	12.00	
Hillman, Jethro, carpentry,	31.51	
Jason, A. V., labor,	10.00	
Jones, I. M., labor,	8.00	
Martin, H. F., labor,	1.00	
Mercurey Pub. Co., advertising and printing,	788.23	
N. B. Gas Light Co.,	.36	
Notter, John, coal, &c.,	1.00	
Pierce, C. E., precinct books,	20.00	
Piper, A. D., labor,	16.00	
Piper, J. Arthur, labor,	14.00	
Precinct Officers,	476.00	
Raymond, E. P., advertising,	134.75	
Richards, W. D., carriage hire,	9.00	
Saxon, George E., rent,	24.00	
Standard Ballot Box Co., repairs,	7.90	
Wood, E. B. & Son, carriage hire,	10.00	2,241.68
Amount carried forward,		\$16,639.60

Amount brought forward,

\$16,639.60

FOURTH OF JULY:

Alley, A. G., Jr., sugar,	\$22.30
Andrews, F. W., use of saddles,	8.00
Anthony, E., & Sons, advertising,	60.00
Ashley, I. L., horses,	5.00
Bartel, Leopold, horses,	15.00
Beetle, R., use of rope,	3.70
Bertram, John, horse,	5.00
Bradford, F. A., stationery and postage,	.64
Bradley, W. E., carriages,	6.00
Brightman, C. O., labor,	6.60
Brownell, H. M., carriages,	5.70
Chapman, E. T., cigars,	3.50
Cunha, Joseph, cigars,	9.37
Dews, Edwin, base balls,	2.25
Driscoll, Mrs. J. G., rosettes,	2.60
Duff, David, & Son, carting,	8.00
Ellis, C. E., lemons,	15.00
Faunce, L. H., carpentry,	25.67
Fire Department,	240.00
Fish, A. F., horse,	5.00
French American Band,	200.00
Gifford, T. J., horse,	5.00
Hayes, N. P., bolts,	1.99
Hines, H. S., ringing bell,	3.00
Holoway, J. T., ringing bell,	3.00
H. S. C. Drum Corps,	35.00
Hyde & Co., fireworks,	400.00
Jay, J. A., horses, &c.,	10.50
King, P. H., carriage,	5.00
Leach, C. D., ringing bell,	3.00
Maxfield, A. S., labor,	5.00
McCullough, John, use of canvas,	1.72
Mercury Publishing Co., advertising,	60.00
Morris, J. N., horse,	5.00
Mosher, F. W., drum-major,	5.00
Moulton, A. G., carting,	4.00
N. B. Band,	200.00
N. B. Fife and Drum Corps,	35.00
Perry, S. F., & Son, carriages,	5.00
Peirce E. M., horses,	10.00
Peirce, S. D., & Co., hats, &c.,	38.65

Amount carried forward,

\$16,639.60

Amount brought forward,		\$16,639.60
Pierce & Kelley, advertising,	10.00	
Piper, A. D., labor,	5.00	
Piper, J. Arthur, labor,	3.00	
Prizes, boat races,	138.50	
Prizes, cash,	138.10	
Richards, George D., barrels, &c.,	4.05	
Richmond, S. P., & Co., sandwiches, &c.,	15.00	
Robenalt, E. S., ringing bell,	3.00	
Sargent, F. H., plating,	6.50	
Sherman, D. A., lemons, &c.,	22.90	
Sherman, W. H., horses,	10.00	
Sherman & Purrington, badges,	1.25	
Smith, John, horses,	10.00	
Soule, W. T., cleaning guns,	2.80	
Thompson, Thomas, umpire,	7.00	
Tillinghast & Terry, lumber,	10.58	
Topham, W. B., badges, &c.,	6.75	
Union Cornet Band,	200.00	
Whitehead Bros., horses, &c.,	54.00	
Wood, E. B., & Son, carriage-hire,	1.50	
Wood, M. A., cigars,	7.50	2,142.62
LABOR AND CLEANING :		
Douglass, A. R.,	\$112.50	
Ferguson, William,	14.00	
McAuliffe, D. J.,	457.81	
Piper, A. D.,	120.45	
Piper, J. Arthur,	309.80	
Richardson, George P.,	76.20	
Toney, Charles,	1.60	1,092.36
LIGHT AND FUEL :		
Corson, T. S.,	\$361.94	
Edison Electric Illuminating Co.,	883.77	
Hart & Akin,	47.51	
N. B. Electric Light Co.,	307.00	
N. B. Gas Light Co.,	451.88	
Porter, P. R.,	57.95	2,110.05
BIRTH, MARRIAGE, AND DEATH RETURNS :		
Brownell, Dr. W. E.,	\$7.00	
Fortin, Dr. J. E.,	7.25	
Hanlon, Mary,	5.50	
Hayes, Dr. S. W.,	3.25	
Howland, Dr. B. C.,	5.25	
Amount carried forward,		\$21,984.63

Amount brought forward,		\$21,984.63
Jean, J. B.,	33.75	
Leonard, D. B.,	662.65	
Leonard, Dr. M. H.,	22.00	
Mackie, Dr. J. H.,	1.25	
Murphy, T. J.,	21.75	
Normandin, Dr. L. Z.,	60.25	
Perry, Dr. E. B.,	2.75	
Pierce, Dr. A. M.,	19.75	
Richardson, Sarah E.,	1.75	
Taylor, Dr. W. H.,	13.75	
Thompson, Elizabeth,	13.25	
Vaughn, W. C., Jr.,	30.50	
Williams, J. S.,	26.75	
Wilson, E. T.,	76.25	1,014.65

INSPECTOR OF MILK AND PROVISIONS:

Anthony, E. & Sons, advertising,	\$28.42	
Brownell, H. M., carriage hire,	65.50	
Case, C. A., brushes, &c.,	1.97	
Clifton, J. W., milk cans,	8.00	
Corson, T. S., coal,	8.28	
Damon, S. H., care of office, &c.,	99.68	
Davenport, Dr. B. F., analyses,	2.50	
Dews, Edwin, books and stationery,	111.46	
Educational Supply Co., test tubes, &c.,	21.72	
Hadley, F. R., thermometers, &c.,	10.50	
Hathaway, D. L., carpentry,	8.83	
Hathaway, Nath., analyses,	114.50	
Hornblower, Dr. W. H., services,	16.00	
Jay, J. A., carriage hire,	2.50	
Mercury Pub. Co., advertising and printing,	19.12	
N. B. Gas Light Co.,	12.20	
Old Colony Railroad Co.,	17.25	
Richards, W. D., carriage hire,	156.50	
Snow & Gilbert, painting,	20.00	
So. Mass. Telephone Co.,	17.50	
Thomas, George, ice,	12.00	
Tompkins, I. B., telephone trumpet,	2.00	
Waite, B. H., rent,	132.00	
Waite, B. H. & Co., carpet, &c.,	11.66	
West, H. N., services,	12.00	
Wood, E. B. & Son, carriage hire,	96.75	
Wright, H. E., milk cans,	2.00	
W. U. Telegraph Co.,	2.66	1,013.50
Amount carried forward,		\$24,012.78

Amount brought forward,	\$24,012.78
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REPAIRING TOMB IN PINE GROVE CEMETERY :

Acushnet Saw Mill Co., plank,	\$8.37	
American Tack Co., use of derrick,	15.00	
Cobb, George A., hardware and teaming,	8.11	
Doran, William, cutting stone,	62.40	
Grinnell, A. B., carting,	26.75	
Hammond, C. & Son, plan,	10.00	
Manchester, Stephen, labor,	23.02	
Morton, E. F., labor,	158.90	
Paisler, C. S., brick and cement,	36.94	
Poole, R. D., stone,	116.43	
Sherman, D. W., labor,	38.22	
Skiff, A. C., labor,	19.45	
Skiff, A. J., labor,	58.90	
Terry, F. C., ironwork,	88.22	670.71

MISCELLANEOUS :

Acushnet Iron Co., targets and castings,	\$94.00
Assessors, making out tax bills,	75.00
Austin, J. H. C., delivering tax-bills,	27.50
Baylies, Clifford, clerk,	539.00
Bliss & Nye, duster,	1.50
Boston Daily Advertiser,	12.00
Briggs, George E., sewer fee returned,	10.50
Briggs & Lawrence, use of furniture, &c.,	5.00
Brownell, H. M., carriage hire,	173.60
Coggeshall, Maxfield & Co., iron boxes,	21.00
Com. of Mass., interest on temporary loan,	4,055.53
Cummings, C. S. & B., soap, matches, &c.,	18.63
Cushing, C. F., bag,	6.50
Davis, J. Herbert, painting signs,	11.25
Dews, Edwin, books, stationery, &c.,	1,130.67
Douglass, F. M., alcohol, &c.,	4.90
Drake, A. B., surveying, grades, &c.,	1,439.90
Ellis, L. B., frames, &c.,	19 43
Expenses of City Offices,	545.58
Galligan, J. H., Register, copies,	10.25
Gifford, F. S., pearline, &c.,	2.50
Greenough, W. A. & Co., directories,	12.00
Hadley, F. R., tape measure, &c.,	.90
Hathaway, H. C., selling land,	54.38
Hathaway, W. W., clerk,	5.00

Amount carried forward,	\$24,683.49
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Amount brought forward,	\$24,683.49
Hayes, N. P., rake, &c.,	2.60
Hillman, Jethro, carpentry,	107.78
Hornblower, Dr. W. H., services,	18.00
Howland, Paul, Jr., books and bonds,	70.00
Hutchinson, H. S. & Co., stationery,	5.04
Jacobs, H., pens,	12.50
Jenkins, B. S., painting,	5.50
Jenney, P. P., & Son, labor,	72.77
Kane, D. J., & Bro., books and binding,	38.75
Kelley, W. L., clock,	8.00
Kempton, David, 2d, Est. of, land rent,	93.75
Kimball, A. B., fence,	30.05
Lawton, J. M., Jr., stationery,	15.75
Maxfield & Peirce, box and lettering,	2.60
McAfee, J. K., military instructor H. S. Cadets,	50.00
Mercury Publishing Co.,	47.19
Mills, M. T., clerk, and delivering tax-bills,	283.75
N. B. Band, escort to Governor,	40.00
N. B. Ice Co.,	129.20
N. B. Institution for Savings, interest on temporary loan,	4,104.71
North Congregational Church, use of bell,	60.00
Old Colony R. R. Co., gateman, Sawyer st.,	234.00
“ “ sewer privilege,	100.00
“ “ tickets,	94.50
Old Colony Steamboat Co., freight,	.53
Paul, Frank, delivering tax-bills,	40.00
Perry, S. F., & Son, carriage-hire,	31.60
Phillips, H. T., supt. delivery of charcoal,	10.00
Piper, A. D., expenses paid,	11.25
Post 1, G. A. R., award,	400.00
Proprietors Ricketson Block, armory rent,	456.00
Richards, George D., sundries,	38.10
Rodgers, John D., delivering tax-bills,	27.50
Russell, C. C., clerk,	550.00
Sanders, William, supt., care cemetery lots,	165.06
Sawin, A. K. P., moving building,	40.00
Sawyer, S. P., repairing boiler,	.50
Schr. B. H. Warford, detention,	50.00
Sherman, C. R., & Son, stationery, &c.,	19.10
Sherman, J. C., opening safe, &c.,	5.50
Sherman, Ruth S., clerk,	70.01
Sherman, W. H., carriage-hire,	8.35

Amount carried forward,

\$24,683.49

Amount brought forward,		\$24,683.49
Sisson, A. B., land rent,	35.00	
Smith, J. K., delivering tax-bills,	37.00	
Soule, W. T., towels,	1.50	
Southern Mass. Telephone Co.,	488.12	
Spicer, Edward, board of horse,	5.00	
Spooner, W. R., rent Pope's Island,	60.00	
Stevens, L. D., lunch,	4.00	
Taber, Henry, 2d, washing powder,	2.00	
Taber & Pope, labor, rifle range,	28.37	
Tillinghast, W. A., lumber,	7.28	
Tinkham, Otis, delivering tax-bills and summons,	55.00	
Tompkins, I. B., telephone trumpets,	4.00	
Topham, R. R., clerk,	364.75	
Tripp, T. B., appraiser,	10.00	
Tuell, C. D., delivering summons,	40.00	
Vinal & Tuell, candles,	1.25	
Watson, R. R., & Co., file cases,	67.05	
West, W. R., painting,	135.98	
White, A. A., & Co., rubber stamps,	9.25	
Willcox, D. B., assessing sewers,	50.00	
W. & R. Wharf, land rent,	225.00	
Wood, E. B., & Son, carriage-hire,	61.50	
Wood, Brightman & Co., tin boxes,	4.95	17,517.46
		<u>\$42,200.95</u>

CR.

By appropriation,		\$18,359.00
Transfers from :		
Highways and Streets,	\$14.73	
Police Station and Lot, Bowditch & Weld sts.,	.92	
Poor Department,	2,054.34	
Public Schools, Incidentals,	26.27	
" Pay of Teachers,	1.90	
" Repairs of Buildings,	149.07	
Sewers, Austin street No. 3,	45.31	
" Blackmer street,	9.96	
" Chestnut street,	4.49	
" Warwick street,	142.62	
Unappropriated Funds,	20,750.00	23,199.61
By amounts returned,	600.00	
Union street extension,	42.34	642.34
		<u>\$42,200.95</u>

POOR DEPARTMENT.

DR.

Bucklyn, Ella F., assistant secretary,	\$404.22	
Fessenden, C. B. H., secretary,	1,104.19	
Flanders, Rev. G. T., chaplain,	162.00	
Homer, George S.,	149.20	
Howland, Jonathan, Jr.,	149.20	
Kingman, Dr. J. H., physician and medicines,	1,606.69	
Macy, P. S., superintendent of Alms-house,	850.00	
Post, Dr. W. C., physician,	16.31	
Wilcox, H. R., superintendent of wood yard,	322.79	\$4,764.60

SUPPORT IN CITY OUTSIDE OF ALMS-HOUSE.

BOOTS, SHOES, AND CLOTHING :

Brownell, G. K.,	\$9.30	
Devoll, P., & Son,	11.75	
Donaghy, Thomas,	5.05	
Peirce, S. D., & Co.,	8.00	
Potter, Irving,	7.72	
Sanders & Barrows,	4.00	
Union Boot & Shoe Co.,	41.82	87.64

FUEL :

Corson, T. S.,	\$1,935.06	
DeWolf & Vincent,	2.90	
Hastings & Co.,	2.75	
Holmes, A. W.,	2.00	
Russell, J. A.,	431.31	
Sabins, Holder,	56.00	
Street Department,	331.00	2,761.02

BURIALS :

Jean, J. B.,	\$279.00	
Murphy, T. J.,	331.00	
Vaughan, W. C., Jr.,	118.00	
Williams, J. S.,	191.00	
Wilson, E. T.,	246.25	1,165.25

Amount carried forward,		<u>\$8,778.51</u>
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Amount brought forward,

\$8,778.51

GROCERIES :

Acushnet Cooperative Association,	\$225.00
Alley, A. G., Jr.,	326.00
André, Joseph,	25.00
Barrows, Edward,	6.00
Bates, J. W., & Co.,	144.00
Bates, L. B.,	150.00
Bliss, F. C., & Son,	48.00
Boardman, Thomas,	149.00
Braley, J. W.,	260.00
Breault, Peter,	12.00
Brierly, Samuel,	40.00
Bromley, David,	4.00
Brownell, C. H., & Sons,	131.50
Buhr, Beruhardt,	21.00
Buhr, Josephine,	14.00
Burgess, Thomas,	39.00
Canny, J. F.,	18.00
Case, I. R.,	8.00
Central Union Association,	632.00
Chappell, W. H.,	14.00
Chase, Z. W.,	56.00
Chase & Ennis,	11.75
Chaussé & La France,	132.00
Clarke, Robert,	167.00
Corrier, Alphonse,	10.00
Cota & Smith,	28.00
Cummings, C. S. & B.,	279.00
Curry, G. F.,	6.00
Dammon, F. A.,	4.00
Davenport, Dudley,	359.50
Davis, C. S.,	202.00
Davis, James,	97.00
Dennison, A. K.,	14.00
Dodge, G. N.,	14.00
Dugan, M.,	417.25
Dyer, J. E.,	283.00
Folger, D. B.,	642.00
Francis, A. J.,	27.00
Francis, I. P.,	16.00
Francis, J. B.,	172.00

Amount carried forward,

\$8,778.51

Amount brought forward,

\$8,778.51

Frasier, E. M.,	177.50
Gatie, Henry,	344.00
Gray Bros.,	62.00
Greene, N. Herbert,	16.00
Hammond, H. S.,	278.50
Harrington & Lowney,	8.00
Hindle, William,	26.50
Holcomb, Henry,	95.00
Holcomb, Monroe,	967.00
Howland, C. H.,	167.00
Hunter, George,	4.00
Hussey, Thomas,	8.00
Industrial Cooperative Association,	36.00
Jenney Bros.,	235.00
Kenney, J. F.,	36.00
Lagassé & Giroux,	14.00
Lapham, J. F.,	24.00
Lapham & Slocum,	24.00
Leavitt, Clark,	16.00
Lewis, O. B.,	33.50
Lowe, James, & Co.,	49.00
Lowe, J. H.,	31.00
Lowe, T. P., & Co.,	39.00
Luther, H. R.,	126.50
Macomber, G. W.,	55.00
Macomber, R. E.,	68.00
Macomber, W. B.,	82.00
McCloskey, John,	244.00
Meaney, T. J.,	14.00
Milliken, L. E.,	46.00
Moneriet, David,	64.00
Monté, Edward,	2.00
Morse, F. & Co.,	168.50
Moulton, F. F.,	138.00
Munsell & Lagassé,	12.00
Murphy & Sullivan,	34.00
Nye, Alfred,	78.00
Paige, J. H.,	67.00
Patnaude, J. C.,	67.50
Pelan, Thomas,	169.00
Perry, Frank,	47.00
Pierce, L. E.,	90.00

Amount carried forward,

\$8,778.51

Amount brought forward,		\$8,778.51
Poirier, Alfred,	27.50	
Poirier & Rock,	4.00	
Poisson, Joseph,	4.00	
Potter, E. L.,	93.94	
Rock, James,	72.00	
Shaw, J. L.,	7.26	
Sherman, J. B.,	135.00	
Sisson, J. S.,	17.00	
Smith, J. C., & Son,	8.00	
Spooner, E. F.,	8.00	
Spooner, W. E.,	36.00	
Stanton, A. G.,	98.00	
Sullivan Bros.,	248.50	
Sweeney, John,	17.00	
Taber, O. R., & Son,	90.00	
Thompson, C. E.,	8.00	
Tilton, J. M.,	24.00	
Tuell, J. B. C.,	10.00	
Vigneault & Desautels,	8.00	
Vinal & Tuell,	58.00	
Washburn, A. R.,	41.00	
Washburn, G. E.,	2.00	
Weeks, H. T.,	21.50	
Willis, W. D.,	8.00	
Wilson, W. T.,	27.00	
Wood, Elihu, Jr.,	73.00	10,614.20

MISCELLANEOUS:

Allen, Gilbert, transportation,	\$62.00
Anthony, E., & Sons, advertising, &c.,	14.12
Barnes, Isaac, care of pauper,	9.00
Bliss & Nye, mat,	3.00
Bouchard, John, labor,	1.00
Brownell, H. M., hacking,	3.00
Chase, A. A., expenses,	4.17
Chaussé & La France, ticket,	20.70
City Treasurer, cash orders,	2,116.76
Clarke, Dr. H. B., services,	1.50
Codd, T. A., transportation,	20.00
Damon, Mrs. C. H., board,	64.50
Damon, Phebe N., board,	18.00
Dews, Edwin, stationery,	4.44

Amount carried forward,

\$19,392.71

Amount brought forward,		\$19,392.71
Douglass, F. M., medicines,	2.50	
Fessenden, C. B. H., expenses,	8.14	
Gray, C. A., carting,	.35	
Greenough, W. A. & Co., directory,	2.00	
Hadley, F. R., medicines,	12.00	
Hammond, Mary E., board,	39.00	
Harris, Edmund, board,	75.00	
Hathaway, H. C., stationery,	37.10	
Hillman, Jethro, carpentry,	1.80	
Howland, Dr. B. C., services,	3.00	
Hutchinson, H. S. & Co., stationery,	.75	
Jenifer, J. H., rent,	20.00	
Jenney, P. P. & Son, labor,	.50	
Kane, D. J. & Bro., books,	5.00	
Lawton, C. H. & H. A., medicines,	2.00	
McLeod, E. V., dentistry,	.50	
Mercury Pub. Co., advertising and printing,	62.15	
Murphy, C. H., hacking,	6.45	
N. B. Ice Co.,	.50	
Old Colony R. R. Co., transportation,	135.90	
Patnaude, J. C., ticket,	15.50	
Piper, J. Arthur, janitor,	13.13	
Piper, S. A., washing towels,	2.00	
Richards, Geo. D., broom,	.60	
Sawyer, S. P., repairing stoves,	8.65	
Sherman, W. H., hacking,	13.25	
Shockley, Dr. A. L., dentistry,	3.00	
Sisson, O. A., rent,	60.00	
Snow, L. & Son, transportation,	82.50	
So. Mass. Telephone Co.,	54.00	
Tinkham, J. S., board,	93.85	
Tripp, S. A., repairing stove,	.63	
Wood, E. B. & Son, carriage hire,	4.50	3,108.44

PAID STATE AND HOSPITALS FOR BOARD OF
PERSONS OUT OF THE CITY.

Commonwealth of Massachusetts,	\$379.57	
Massachusetts School for the Feeble Minded,	169.43	
Northampton Lunatic Hospital,	264.46	
Taunton Lunatic Hospital,	6,899.07	
Worcester Insane Asylum,	103.26	
Worcester Lunatic Hospital,	360.12	8,175.91
Amount carried forward,		\$30,677.06

Amount brought forward, \$30,677.06

PAID CITIES AND TOWNS FOR SUPPLIES AND
BOARD OF PERSONS OUT OF THE CITY.

Boston,	\$152.92	
Broekton,	11.00	
Cambridge,	4.00	
Chelsea,	36.00	
Dartmouth,	81.00	
Fairhaven,	127.50	
Fall River,	129.60	
Falmouth,	52.00	
Hanson,	13.23	
Haverhill,	10.70	
Ipswich,	50.65	
Lowell,	102.45	
Mattapoisett,	111.37	
Nantucket,	120.00	
Newburyport,	1.00	
Taunton,	88.10	
Wareham,	10.00	
Westport,	23.15	
Worcester,	60.20	
Wrentham,	54.00	1,238.87

ALMS-HOUSE.

CLOTHING, HATS, CAPS, ETC.:

Brownell, G. K.,	\$11.25	
Davis, J. & Co.,	66.25	
Devoll, P. & Son,	39.30	
Doane & Sons,	14.20	
Donaghy, Thomas,	30.68	
Eddy, Geo. M. & Co.,	26.01	
Faisneau, Geo. E.,	93.87	
Gifford & Co.,	3.00	
Haskell & Tripp,	3.44	
Knowles, Joseph,	23.37	
Lucas, A. E.,	35.40	
Nichols & Damon,	3.00	
Palmer, A. R.,	2.90	
Sanders & Barrows,	26.49	
Soule, W. T.,	84.18	
Taber, Read & Gardner,	31.25	
Tillson, H. H.,	29.40	
Union Boot & Shoe Co.,	1.25	
Wing, J. & W. R. & Co.,	16.00	541.24

Amount carried forward, \$32,457.17

Amount brought forward, \$32,457.17

FURNISHINGS AND SUPPLIES:

Bennett, Samuel, crockery,	\$10.89	
Blackmer, H. A., medicines,	4.25	
Blake, J. E., medicines,	38.94	
Bliss & Nye, crockery,	20.28	
Borden, C. M., wood,	101.84	
Briggs & Lawrence, furniture,	3.00	
Brownell & Co., paint and oil,	19.65	
Corson, T. S., coal,	356.50	
Cranston, O. W., shades,	2.70	
Delano, George's Sons, oil,	8.80	
DeWolf & Vincent, tools, &c.,	12.60	
Douglass, F. M., medicines,	23.43	
Geils, Gerett, furniture,	43.00	
Greene & Wood, lumber,	1.60	
Globe Gas Light Co., naphtha,	6.50	
Hadley, F. R., medicines,	32.10	
Handy, Jonathan, bolts, &c.,	5.19	
Hart & Akin, paint,	14.49	
Hart, T. M., duck and rope,	7.59	
Hayes, N. P., hardware,	14.45	
Homer, George S., oil,	18.40	
Jenney, P. P., & Son, repairs,	7.30	
Lawton, C. H. & H. A., medicines,	53.19	
Maxfield & Pierce, furniture, &c.,	13.20	
Paine, S. S., & Bro., lime, &c.,	13.17	
Pope & Wood, liquors,	20.80	
Richards, George D., sundries,	22.59	
Richmond, S. P., & Co., hops,	12.38	
Robertson, Joseph W., liquors,	12.50	
Slocum, F. R., furniture,	21.47	
Smith & Lovett, bedsteads,	84.00	
Sullings, Kingman & Co., hardware,	57.55	
Wilson, W. P., seeds, tools, &c.,	231.20	
Wing, C. F., carpet,	3.61	
Wing Samuel, vinegar,	9.20	1,308.36

GROCERIES, PROVISIONS, AND GRAIN:

Ashley, C. S.,	\$26.75
Ashley, J. B., Jr.,	22.75
Baylies, William,	576.68

Amount carried forward, \$33,765.53

Amount brought forward,		\$33,765.53
Brownell, E. C.,	190.48	
Covil, A. E., & Son,	21.50	
Cummings, C. S. & B.,	289.75	
Davis & Hatch,	135.59	
Denison Bros.,	568.09	
Driscoll, Church & Hall,	805.85	
Ellis, C. E.,	53.59	
Gifford, F. S.,	119.59	
Greene, N. Herbert,	822.06	
Holcomb, Henry,	3.37	
Leonard, H. A.,	30.26	
Macomber Bros.,	482.51	
Potter, W. F., & Co.,	283.25	
Russell, S. H.,	44.37	
Salisbury & Viall,	190.00	
Snell, D. A.,	5.95	
Worth, W. J.,	19.85	4,692.24

LABOR AND NURSING :

Allen, Asa,	\$480.00	
Burbank, M. E.,	260.26	
Butts, Albert,	25.50	
Butts, H. R., Jr.,	90.00	
Chase, A. A.,	540.00	
Crapo, C. W.,	153.70	
Dunham, John,	23.25	
Gibbs, George,	13.50	
Jackson, Axel,	270.00	
Martin, Julia,	130.33	
Miller, John F.,	280.00	
Raymond, M. M.,	182.50	
Riley, Michael,	35.00	
Shields, D. R.,	336.00	
Winslow, Sarah,	106.30	2,926.34

MISCELLANEOUS :

Almy & Hitch, labor,	\$9.00
Anthony, E., & Sons, Standard,	6.00
Brightman, Alfred, dressing pork,	12.50
Brownell, Ashley & Co., repairing wagons,	120.70
Brownell, H. M., hitching,	30.00
Cronin, William, repairing harness,	15.87

Amount carried forward,	\$41,384.11
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Amount brought forward,		\$41,384.11
Cushing, C. F., repairing harness,	57.00	
Delano, Gustavus, labor,	69.99	
Dews, Edwin, stationery,	4.25	
Fire Département, dressing,	287.79	
Forbes, J. R., & Co., repairing wagon,	23.00	
Gray, C. A., freight and carting,	6.42	
Hart & Akin, labor,	8.38	
Jenney, P. P., & Son, sharpening tools,	10.53	
Kelley, W. L., repairing clocks,	1.75	
Mara, Dr. J. C., dentistry,	3.75	
Mercury Pub. Co., paper and advertising,	6.90	
Mosher & Brownell, sash,	4.15	
N. B. Boiler & Machine Co., repairs,	230.10	
Richards, George D., brush,	1.13	
Robertson, Joseph W.,	11.50	
Seabury, James P., grinding corn,	3.22	
Sherman, C. R., & Son, stationery,	.85	
Sherman, W. D., sharpening tools,	4.90	
Southern Mass. Telephone Co.,	43.00	
Sowle, F. A., sash,	3.70	
Street Department, dressing,	157.66	
Swan, W. D., repairing block,	5.30	
Tripp, S. A., labor and repairs,	32.87	
White, Phineas, repairing pump,	15.00	
Wood, Brightman & Co., plumbing,	45.64	1,232.85
To transfer to Incidentals,		2,054.34
		<u>\$44,671.30</u>

CR.

By appropriation,		\$35,000.00
Received from :		
Cities and towns, for support of poor,		2,939.90
Commonwealth, state paupers,		2,535.89
Sale of farm produce,		110.00
Soldiers and sailors,		464.00
Fire Department,	\$833.45	
Truant school,	1,464.62	2,298.07
Board of persons, &c.,	1,018.49	
Relief Committee,	300.00	
Amount returned,	4.95	1,323.44
		<u>\$44,671.30</u>

UNAPPROPRIATED FUNDS.

DR.

To transfers to :

Appropriations, Special, 1886,	\$5,424.19	
Fire Department,	6.03	
Free Public Library,	224.85	
Incidentals,	20,750.00	
Lighting the Streets,	1,010.40	
N. B. & Fairhaven Bridge,	150.17	
Police Department,	2,538.64	
Public Debt,	955.80	
Repairs of City Property,	239.56	
Sewers, General Account,	1,888.83	
" Allen street, No. 2,	21.65	
" Oak and Grape streets,	576.49	
" Pearl and Willis streets extension,	75.50	
" Weld street,	56.45	
Truant School,	422.17	\$34,340.73
Appropriations, Special, 1887,		48,263.42
		<u>\$82,604.15</u>

CR.

By sundry receipts, \$82,604.15
 (For detailed statement see Treasurer's Report.)

TRUST FUNDS.

CR.

BY SYLVIA ANN HOWLAND FREE PUBLIC LIBRARY FUND:

One half of the bequest of Sylvia Ann Howland for the support of Liberal Education and the Free Public Library,	\$50,000.00
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BY SYLVIA ANN HOWLAND EDUCATIONAL FUND:

One half of the bequest of Sylvia Ann Howland for the support of Liberal Education and the Free Public Library,	50,000.00
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BY GEORGE HOWLAND, JR., FUND:

Donation to Free Public Library,	1,600.00
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BY CHARLES W. MORGAN FUND:

Bequest to Free Public Library,	1,000.00
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BY OLIVER CROCKER FUND:

Bequest to Free Public Library,	1,000.00
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BY JAMES B. CONGDON FUND:

Donation to Free Public Library,	500.00
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BY JONATHAN BOURNE PRIZE FUND:

Donation to School Committee,	1,000.00
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\$105,100.00

BY CEMETERY FUND DEPOSITED IN THE TREASURY BY:

Allen, Charles F.,	\$25.00
Backman, George W.,	50.00
Barker, John P.,	50.00
Bierstadt, Edward,	100.00
Blackmer, William, Estate of,	50.00
Blakeley, Richard,	100.00
Blossom, E. R.,	15.00
Bourne, Jonathan,	100.00
Buchanan, Thomas,	100.00
Clark, B.,	60.00
Clark, Joseph,	100.00
Colesworthy, Emeline,	15.00

Amount carried forward,

\$105,100.00

Amount brought forward,	\$105,100.00
Congdon, S. and E.,	100.00
Cook, Julia A.,	30.00
Cornell, William, Jr.,	25.00
Crapo, Sarah A., "Rural,"	50.00
Crapo, Sarah A., "Oak Grove,"	50.00
Cross, Sylvia G.,	150.00
Davis, Nicholas,	50.00
Devoll, Joseph,	50.00
Dexter, C. E.,	100.00
Drew, Francis,	50.00
Durfee, Thomas,	50.00
Dyer, Asa,	50.00
Ferguson, Jireh L.,	50.00
Gardner, Edmund,	100.00
Gibbs, Robert,	80.00
Greene, L. P.,	100.00
Greene, David R.,	100.00
Harris, William, Trustee of will of,	100.00
Hart, Amelia,	75.00
Hill, Phebe,	50.00
Hitch, Charles, Estate of,	200.00
Howe, Moses G.,	125.00
Howland, Hester A.,	100.00
Howland, Jonathan,	150.00
Howland, Jonathan,	40.00
Johnson, E. R., Estate of,	300.00
Knights, William,	100.00
Knowles, John P.,	100.00
Macomber, Henry B.,	50.00
Menage, Henry G.,	50.00
McKenzie, Alexander,	60.00
Moore, Ann M.,	25.00
Murdock, Ann E.,	44.93
Nelson, Mary A.,	150.00
Oliver, H. G.,	75.00
Peirce, Bradford S.,	100.00
Peirce, David R.,	50.00
Peirce, Lloyd N.,	100.00
Richmond, Joshua,	100.00
Russell, Wing,	50.00
Sherman, Lucy T.,	100.00
Sherman, Wing, Estate of,	100.00
Amount carried forward,	\$105,100.00

Amount brought forward,		\$105,100.00
Spencer, C. L.,	100.00	
Spooner, Paul, for,	100.00	
Stetson, Nathaniel,	50.00	
Stranberg, Caroline,	50.00	
Swain, Oliver,	50.00	
Sweet, Betsey B.,	25.00	
Taber, Henry,	100.00	
Taber, Lucy B.,	100.00	
Taylor, Mary B.,	25.00	
Thomas, Henry F., Estate of,	150.00	
Tobey, Franklin,	70.00	
Tompkins, Eliza,	50.00	
Ward, S. J.,	100.00	
West, B. H.,	50.00	
Wilbur, Mary A.,	50.00	
Wilson, George,	100.00	
Wood, Borden,	50.00	
Wordell, Brayton B.,	50.00	5,614.93
		<u>\$110,714.93</u>

BONDS OF THE CITY OF NEW BEDFORD.

TITLES, RATES, AMOUNTS DUE ANNUALLY, AND TOTAL.

	Sewer Bonds, 4s.	Old Bonds, 5s.	Water Bonds, 6s.	Water Bonds, 7s.	Bridge, etc., 6s.	City Impvt. Bonds, 6s.	Totals.
1888,	\$10,000		\$20,000	\$10,000	\$5,000		\$45,000
1889,	10,000		20,000	10,000	5,000		45,000
1890,	10,000		20,000	10,000	5,000		45,000
1891,	10,000		20,000	10,000		\$10,000 R.	50,000
1892,	Water Bonds, 4s.		20,000	10,000		10,000 C.	40,000
1893,	100,000		20,000		{ City Imp. Bds. 3½s.	5,000 R.	33,000
1894,			20,000			8,000 C.	130,000
1895,			20,000		80,000	10,000 C.	110,000
1896,			20,000		25,000	10,000 C.	55,000
1897,		Water Bonds, 5s.	20,000		35,000	10,000 R.	65,000
1898,			20,000			10,000 C.	30,000
1899,			20,000			10,000 C.	30,000
1900,		\$20,000		10,000		10,000 R.	40,000
1901,		20,000		10,000		10,000 R.	40,000
1902,		20,000		10,000		10,000 R.	40,000
1903,		20,000		10,000	{	5,000 C.	40,000
1904,	Sewer 3½s.	20,000		10,000		5,000 R.	40,000
1905,			20,000	10,000		10,000 R.	40,000
1906,	60,000		20,000	10,000		10,000 R.	100,000
1907,	15,000		20,000	10,000		10,000 R.	55,000
1908,			20,000	10,000		10,000 R.	40,000
1909,			20,000	10,000	{	5,000 C.	40,000
1910,						5,000 R.	40,000
						30,000 C.	30,000
Total,							\$1,183,000

Amount of Water Bonds, 7s,	\$150,000	
“ 5s,	100,000	
“ 6s,	340,000	
“ 4s,	100,000	
Bridge, etc., 6s,	15,000	
Sewer Bonds, 4s,	40,000	
Sewer Bonds, 3½s,	75,000	
City Improvement Bonds, 6s,	223,000	
“ “ 3½s,	140,000	\$1,183,000

INTEREST AS PAYABLE YEARLY.

		TOTALS.
1888.	{ On \$150,000 Water Bonds, at 7 per cent.,	\$10,500
	100,000 " " 5 "	5,000
	340,000 " " 6 "	20,400
	100,000 " " 4 "	4,000
	223,000 City Improvement Bonds, at 6 per cent.,	13,380
	140,000 City Improvement Bonds, at 3½ per cent.,	4,900
	15,000 Bridge Bonds, at 6 per cent.,	900
	40,000 Sewer Bonds, at 4 per cent.,	1,600
	75,000 Sewer Bonds, at 3½ per cent.,	2,625
		\$63,305
1889.	{ On \$140,000 Water Bonds, at 7 per cent.,	\$9,800
	100,000 " " 5 "	5,000
	320,000 " " 6 "	19,200
	100,000 " " 4 "	4,000
	223,000 City Improvement Bonds, at 6 per cent.,	13,380
	140,000 City Improvement Bonds, at 3½ per cent.,	4,900
	10,000 Bridge Bonds, at 6 per cent.,	600
	30,000 Sewer Bonds, at 4 per cent.,	1,200
	75,000 Sewer Bonds, at 3½ per cent.,	2,625
		60,705
1890.	{ On \$130,000 Water Bonds, at 7 per cent.,	\$9,100
	100,000 " " 5 "	5,000
	300,000 " " 6 "	18,000
	100,000 " " 4 "	4,000
	223,000 City Improvement Bonds, at 6 per cent.,	13,380
	140,000 City Improvement Bonds, at 3½ per cent.,	4,900
	5,000 Bridge Bonds, at 6 per cent.,	300
	20,000 Sewer Bonds, at 4 per cent.,	800
	75,000 Sewer Bonds, at 3½ per cent.,	2,625
		58,105
1891.	{ On \$120,000 Water Bonds, at 7 per cent.,	\$8,400
	100,000 " " 5 "	5,000
	280,000 " " 6 "	16,800
	100,000 " " 4 "	4,000
	223,000 City Improvement Bonds, at 6 per cent.,	13,380
	140,000 City Improvement Bonds, at 3½ per cent.,	4,900
	10,000 Sewer Bonds, at 4 per cent.,	400
	75,000 Sewer Bonds, at 3½ per cent.,	2,625
		55,505

THE FOLLOWING TABLE EXHIBITS THE TOTAL AMOUNT OF THE BONDED DEBT OF THIS CITY; THE AMOUNT OF BONDS PAYABLE EACH YEAR; THE AMOUNT DUE EACH YEAR FOR INTEREST; AND THE AGGREGATE OF BOTH PRINCIPAL AND INTEREST TO BE PAID IN LIQUIDATION.

Years.	Bonds.	Interest.	Amount.
1888,	\$45,000	\$63,305	\$108,305
1889,	45,000	60,705	105,705
1890,	45,000	58,105	103,105
1891,	50,000	55,505	105,505
1892,	40,000	52,605	92,605
1893,	33,000	49,105	82,105
1894,	130,000	48,125	178,125
1895,	110,000	42,325	152,325
1896,	55,000	37,725	92,725
1897,	65,000	35,050	100,050
1898,	30,000	32,025	62,025
1899,	30,000	30,225	60,225
1900,	40,000	28,425	68,425
1901,	40,000	26,125	66,125
1902,	40,000	23,825	63,825
1903,	40,000	21,525	61,525
1904,	40,000	19,225	59,225
1905,	40,000	16,925	56,925
1906,	100,000	14,425	114,425
1907,	55,000	9,825	64,825
1908,	40,000	6,800	46,800
1909,	40,000	4,300	44,300
1910,	30,000	1,800	31,800
	\$1,183,000	\$738,005	\$1,921,005

BONDS PAYABLE IN 1888:

Bridge, etc., Bonds,	\$5,000	
Water Bonds, 7s,	10,000	
Water Bonds, 6s,	20,000	
Sewer Bonds, 4s,	10,000	\$45,000

INTEREST PAYABLE IN 1888:

On \$690,000 Water Bonds,	\$39,900	
223,000 City Improvement Bonds,	13,380	
140,000 City Improvement Bonds, 3½s,	4,900	
115,000 Sewer Bonds,	4,225	
15,000 Bridge, etc., Bonds,	900	63,305

\$108,305

Trust Funds, (\$105,100 at 6 per cent.,)

6,306

Total,

\$114,611

THE FOLLOWING TABLE SHOWS THE AMOUNT OF TAXES LEVIED IN THIS CITY SINCE 1867, AND THE RATE PER THOUSAND, FOR STATE, COUNTY, AND CITY PURPOSES; ALSO THE NUMBER OF POLLS.

Year.	Valuation of Real Estate.	Valuation of Personal Property.	State Tax.	County Tax.	City Tax.	Overlay.	No. of Polls.	Rate of Tax.
1868,	\$8,288,100	\$13,508,100.00	\$39,540	\$21,083.67	\$230,000	\$13,633.03	5,004	\$13.50
1869,	8,277,900	14,652,100.00	49,425	19,461.85	287,000	9,340.15	4,906	15.50
1870,	8,774,500	14,221,514.00	49,425	17,840.02	290,000	9,475.20	5,251	15.00
1871,	9,115,600	13,844,651.67	49,425	22,705.48	293,300	12,599.52	5,333	16.00
1872,	10,050,800	13,742,898.00	32,280	18,943.65	356,000	13,181.96	5,377	17.20
1873,	11,125,700	14,114,364.20	36,315	23,679.57	349,000	11,454.46	5,780	16.20
1874,	11,665,400	13,846,904.95	32,280	27,874.24	354,000	11,005.10	5,930	16.20
1875,	11,946,600	14,428,674.00	32,280	28,415.48	383,000	17,136.07	6,226	17.00
1876,	12,411,200	14,339,002.00	26,244	23,859.86	387,000	20,251.49	6,551	16.60
1877,	12,609,200	13,524,097.00	21,870	23,859.86	436,200	17,273.46	6,562	18.60
1878,	12,808,700	13,137,011.20	14,580	25,249.76	371,500	17,259.61	6,729	16.00
1879,	12,898,300	12,874,418.00	7,290	25,666.72	386,000	17,497.36	6,891	16.40
1880,	13,138,400	13,137,519.00	21,870	26,377.03	361,250	15,080.89	7,028	15.70
1881,	13,505,400	13,609,922.00	21,870	28,671.30	437,300	16,084.49	7,025	18.00
1882,	14,138,300	13,974,587.00	29,160	25,689.88	434,200	17,605.64	7,340	17.50
1883,	15,109,300	15,180,305.00	25,770	29,468.95	452,400	16,614.41	7,694	16.80
1884,	15,635,900	15,718,182.00	34,360	26,668.72	462,700	13,031.04	8,141	16.60
1885,	16,293,800	15,104,090.00	25,770	27,735.50	457,950	17,028.11	8,349	16.30
1886,	16,778,900	15,416,695.50	27,015	33,883.77	456,300	15,328.18	8,699	16.00
1887,	17,372,600	15,309,658.00	40,522½	38,485.28	489,700	18,075.50	9,056	17.40

Average rate for 20 years, \$16.42½.

CITY OF NEW BEDFORD.
IN COMMITTEE, March 3, 1888.

The sub-committee appointed by the Committee on Finance to appraise the city property and prepare a schedule of the same, have attended to that duty, and submit the following report, viz.:

POOR DEPARTMENT:

Alms-house and outbuildings,	\$26,000	
Old Alms-house and outbuildings,	1,500	
Small-Pox Hospital,	1,000	
Farm, containing 70 acres,	12,500	
Furniture in Alms-house,	2,700	
Furniture in Hospital,	75	
Farming and mechanics' tools,	450	
Stone machine,	50	
Tedders, horse-rake, manure-spreader, etc.,	400	
Carts, gears, and lumber wagons, etc.,	1,550	
Ambulance,	300	
Horses, oxen, cows, hogs and poultry,	1,840	
Hay, grain, vegetables, pork, etc.,	2,335	
Wood and coal shed, corner North Second and North streets,	3,000	
Wood in shed,	500	\$54,200

HIGHWAYS AND STREETS DEPARTMENT:

Steam road-roller,	\$5,500
Two other road-rollers,	450
Two stone-crushers and castings,	1,400
Two steam engines and boilers for crushers,	1,000
One road-scraper,	200
Twenty-three horses,	3,775
Seven double carts, six single, and three stone gears,	2,410
Five wagons, one sleigh, two large sleds,	600
Twenty-four sets of harnesses,	625
One hoisting derrick,	25
Hay, straw, grain,	100
2200 bushels sand,	90
Watering cart,	450
Street sweeper,	375

Amount carried forward,

\$54,200

1888.

AUDITOR'S REPORT.

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Amount brought forward,		\$54,200
Curbing, flagging, etc.,	1,000	
Tools, barrows, tool-houses, etc.,	1,600	19,600

SEWER DEPARTMENT :

Sewer pipe and sand-catcher plank,	\$825	
Tools, tool-houses, etc.,	875	1,700

STREET LIGHT DEPARTMENT :

Gas and naphtha lamps, posts and lanterns,	\$7,150	
Two houses for oil, etc.,	300	
Tools for Petroleum Inspector,	50	7,500

PUBLIC BUILDINGS, LAND, ETC. :

City hall and lot,	\$70,000	
City library building and lot,	75,000	
City common,	50,000	
Rural cemetery,	20,000	
Oak Grove cemetery,	15,000	
Pine Grove cemetery,	800	
Central police station and lot,	18,000	
Willis Street police station and lot,	2,500	
West police station,	325	
South police station,	250	
Volumes in the city library,	46,000	
City stables, outbuildings and lot,	8,000	
Scales at city stables,	300	
Land on Clark's Point,	200	
Powder magazine,	450	
South Pound lot,	200	
Ward-house and lot, Fifth ward,	1,400	
Ward-house and lot, Sixth ward,	1,600	
Standard weights and measures,	300	
Surveying instruments,	300	
Two brass field-pieces, muskets, etc.,	1,300	
Police station and lot, corner Bowditch and Weld streets,	16,000	
New city stable lot,	9,375	337,300

SCHOOL DEPARTMENT :

Acushnet school-house and lot,	\$1,500	
Acushnet Avenue " "	25,000	
Arnold Street " "	900	

Amount carried forward,		\$420,300
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Amount brought forward,		\$420,300
Cannonville school-house and lot,	1,500	
Cedar Street	6,500	
Cedar Grove Street	25,000	
Clark's Point	800	
Dartmouth Street	5,000	
Fifth Street	50,000	
Fourth Street	7,000	
Grove	2,500	
High	127,000	
High Street	2,000	
Kempton Street	5,000	
Linden Street	2,500	
Maxfield Street	20,000	
Merrimac Street	18,000	
Middle Street	30,000	
North (Tobey road)	500	
Parker Street	50,000	
Plainville	1,000	
Rockdale	1,200	
William Street	5,000	
Apparatus in school-houses,	12,000	
Truant school-house,	1,700	
Thompson Street school-house and lot,	36,000	
Harrington school-house lot,	4,500	442,100

FIRE DEPARTMENT:

Engine-house and lot, Acushnet,	\$600	
“ “ Hillman street,	12,000	
“ “ Purchase street,	12,000	
“ “ Purchase street,	12,000	
“ “ Sixth street,	13,000	
“ “ Fourth street,	13,000	
Steam fire engine Onward, No. 1,	2,500	
“ “ Progress, No. 2,	3,600	
“ “ Excelsior, No. 3,	500	
“ “ C. Howland, No. 4,	3,600	
“ “ Z. Hillman, No. 5,	3,000	
“ “ Fred. Macy, No. 6,	3,600	
“ “ Old No. 2,	2,500	
“ “ Old No. 4,	500	
Six hose carriages,	4,000	
Hand engine,	200	
Amount carried forward,		\$862,400

Amount brought forward,		\$862,400
Hook and ladder carriage and ladders,	1,800	
Three sleigh reels,	300	
Hose,	9,000	
Nineteen horses and harnesses,	6,000	
Seven wagons,	1,500	
Fire alarm telegraph, including bells, strikers, etc.,	14,000	
Sundries,	2,000	121,200
NEW BEDFORD WATER WORKS,		1,200,000
		<hr/>
		\$2,183,600

RECAPITULATION.

Poor Department,	\$54,200	
Highways and Streets Department,	19,600	
Sewer Department,	1,700	
Street Light Department,	7,500	
Public buildings, land, etc.,	337,300	
School Department,	442,100	
Fire Department,	121,200	
New Bedford Water Works,	1,200,000	\$2,183,600

Respectfully submitted.

F. W. MOSHER,	}	Committee.
E. F. DAHILL,		
ROBERT ARNETT, JR.,		

AUDITOR'S TRIAL BALANCE, JAN. 5, 1888.

DR.

Water Works, (as Public Property,)	\$1,200,000.00	
Public Property, (other than Water Works,)	977,500.00	
Sinking Fund Commissioners,	33,004.66	
Real Estate Tax Account,	417.40	
Com. of Mass., chap. 301,	3,377.15	
“ “ chap. 252,	3,018.00	
Appropriations, General, 1886,	8,452.61	
“ “ 1887,	12,562.56	
“ Special, 1887,	54,298.12	\$2,292,630.50
City Treasurer, balance of cash,		17,544.41
		<u>\$2,310,174.91</u>

CR.

Trust Funds,	\$105,100.00	
Bonds,	1,183,000.00	
Balance of Public Property,	927,504.66	
N. B. School Committee, Howland Fund,	2,260.20	
Public Schools, Repairs of Buildings,	100.00	
Temporary Loan,	40,000.00	
Public Schools, Parker St. Heating Apparatus,	2,000.00	
Free Public Library, Trustees,	11,090.42	
“ “ Dog Fund,	625.23	
Public Schools, Dog Fund,	509.48	
City Stable and Lot,	13,900.00	
Cemetery Funds,	5,614.93	
N. B. School Committee, Jonathan Bourne		
Prize Fund,	13.17	
Cemeteries,	216.33	
N. B. Water Works,	18,240.49	\$2,310,174.91

CITY OF NEW BEDFORD,

AUDITOR'S OFFICE,

January 5, 1888.

WILLIAM B. TOPHAM,

City Auditor.

We have examined the foregoing and find it correct.

WENDELL H. COBB,
STEPHEN D. PEIRCE,
JOHN J. HOWLAND,
H. A. SMITH,

Sub-committee of Committee on Finance, appointed to
examine the books of the Auditor and Treasurer.

STATEMENT

OF THE

COLLECTOR OF TAXES,

FOR THE

Financial Year ending Jan. 2, 1888.

IN BOARD OF ALDERMEN,
Feb. 23, 1888.

Received and ordered printed in the City Documents,
and sent down for concurrence.

D. B. LEONARD,
City Clerk.

IN COMMON COUNCIL,
2 mo. 23, 1888.

Concurred.

WM. A. MACKIE,
Clerk.

Statement of the Collector of Taxes,

1887.

CITY OF NEW BEDFORD.

COLLECTOR'S OFFICE, January 2, 1888.

To the City Council:

GENTLEMEN, — I herewith respectfully present to you my account as Collector of Taxes, embracing a statement in full of the various transactions in this department, for the financial year ending at this date.

COLLECTOR'S STATEMENT FROM 1882 TO 1886, INCLUSIVE.

Financial Year.	Unpaid, Jan. 3, 1887.	Paid and Remitted.	Unpaid, Jan. 2, 1888.
1882,	\$5,344.02	\$67.25	\$5,276.77
1883,	5,947.23	163.48	5,783.75
1884,	6,368.58	215.02	6,153.56
1885,	9,488.62	2,728.08	6,760.54
1886,	47,515.26	38,942.49	8,572.77
	\$74,663.71	\$42,116.32	\$32,547.39

COLLECTOR'S STATEMENT.

TAXES OF 1887.

CHARGES.

Amount of tax bills,		\$586,783.29
State tax,	\$40,522.50	
County tax,	38,485.28	
City tax,	489,700.00	
Overlay,	18,075.51	\$586,783.29

PAYMENTS.		
State tax,	\$40,522.50	
County tax,	38,485.28	
City Treasurer,	460,214.62	
Discount,	28,482.32	
Abatements by Assessors,	497.11	
Balance unpaid,	18,581.46	\$586,783.29

The balance of the taxes of 1887 unpaid is but $3\frac{18}{100}$ per cent. of the whole assessment.

The state and county taxes, which make a large proportion of the assessments of the city, constituted, in 1887, one seventh of the amount, and were about \$20,000 more than for the previous year.

The national bank taxes of 1886, amounting to \$62,080, were paid in full in October last, together with interest at the rate of $2\frac{1}{2}$ per cent. from November 1, 1886, to the date of payment, amounting to \$1,413.39. The national bank taxes of 1887 were paid without protest, and all pending suits withdrawn, thus enabling the city to effect a settlement in full with the Commonwealth, the first time for three years.

The amounts received from the State Treasurer during the year, for corporation and other taxes, were as follows :

Corporation tax, 1885,	\$38,289.89
Corporation tax, 1886,	46,415.29
Corporation tax, 1887,	58,202.11
Tax on ships in foreign trade,	1,942.34
Tax from national banks out of city,	3,616.88
	<hr/>
	\$148,466.51

The whole amount of taxes paid the past year exceeds the assessments of the year by the sum of twenty-three thousand five hundred thirty-four and $\frac{86}{100}$ dollars; the amount collected upon the old taxes being greater than the balance remaining unpaid of the new.

Respectfully submitted.

JAMES H. HATHAWAY,
Collector of Taxes.

STATEMENT

OF THE

CITY TREASURER,

FOR THE

Financial Year ending Jan. 2, 1888.

STATEMENT OF THE CITY TREASURER, January 2, 1888.

CITY OF NEW BEDFORD.
TREASURER'S OFFICE, January 2, 1888.

To the City Council:

GENTLEMEN, — I herewith present to you, as required by the ordinances of the city, my account as City Treasurer, for the financial year ending at this date.

Very respectfully,

JAMES H. HATHAWAY,
City Treasurer.

PAYMENTS INTO THE TREASURY.

The balance in the treasury at the close of the last financial year, and the receipts during the year ending at this date, are set forth in the statement that follows, viz. :

Balance, January 3, 1887,	\$4,050.62
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PAYMENTS INTO THE TREASURY BY THE COLLECTOR OF TAXES.

1882,	\$67.25	
1883,	163.48	
1884,	215.02	
1885,	2,573.12	
1886,	38,575.53	
1887,	460,214.62	\$501,809.02

APPROPRIATIONS, GENERAL, 1885.

Amounts received from State Treasurer :

Part of corporation tax of 1885,	\$30,000.00	
Tax of national banks out of the city,	3,616.88	
Part of tax on ships in foreign trade,	19.52	33,636.40

APPROPRIATIONS, GENERAL, 1886.

Received of State Treasurer, part of corporation tax, as estimated,		30,000.00
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APPROPRIATIONS, GENERAL, 1887.

Amounts received from State Treasurer :

Part of corporation tax of 1887,	\$25,000.00	
Balance of tax on ships in foreign trade,	1,922.82	26,922.82

APPROPRIATIONS, SPECIAL, 1886.

From "Improvement Bonds" issued,	\$35,000.00	
From "Sewer Bonds" issued,	15,000.00	50,000.00

COMMONWEALTH OF MASSACHUSETTS.

MILITARY AID UNDER CHAPTER 301, LAW OF 1879.

Of State Treasurer, advances of 1886,	\$3,185.75	
Amounts not called for,	43.75	3,229.50

COMMONWEALTH OF MASSACHUSETTS.

MILITARY AID UNDER CHAPTER 252, LAW OF 1879.

Of State Treasurer, one half of the disbursements to Jan. 1, 1887,	\$2,868.50	
Amounts not called for,	194.33	3,062.83

CEMETERIES.

Received for sale of lots :

Oak Grove,	\$2,455.00	
Rural,	1,680.00	4,135.00

CEMETERY FUNDS.

Amounts received from sundry parties for permanent care of lots :

Richard Blakeley, Oak Grove,	\$100.00	
Joseph Clark, Oak Grove,	100.00	
Joseph Devoll, Rural,	50.00	
C. E. Dexter, Oak Grove,	100.00	
Francis Drew, Oak Grove,	50.00	
Jireh L. Ferguson, Rural,	50.00	
Robert Gibbs, Oak Grove,	80.00	
David R. Greene, Rural,	100.00	
Amelia Hart, Rural,	75.00	
William Knights, Rural,	100.00	
John P. Knowles, Rural,	100.00	
Henry B. Macomber, Rural,	50.00	
Mary A. Nelson, Oak Grove,	150.00	
Bradford S. Peirce, Rural,	100.00	
Joshua Richmond, Rural,	100.00	
Nathaniel Stetson, Oak Grove,	50.00	
Caroline Stranberg, Rural,	50.00	
Henry Taber, Rural,	100.00	
Mary B. Taylor, Oak Grove,	25.00	1,530.00

FIRE DEPARTMENT.

Received from sundry sources, as follows :

Amount overpaid,	\$2.31	
J. V. Bancroft, pumping,	60.00	
Highways and Streets,	6.75	
Poor Department,	287.79	
Sewers, General Account,	36.00	392.85

FREE PUBLIC LIBRARY — TRUSTEES' ACCOUNT.

Income from sundry bequests and gifts, &c. :

Sylvia Ann Howland, bequest,	\$3,000.00	
George Howland, Jr., gift,	96.00	
Charles W. Morgan, bequest,	60.00	
Oliver Crocker, bequest,	60.00	
James B. Congdon, gift,	30.00	
Amount returned, error,	2.00	3,248.00

FREE PUBLIC LIBRARY — DOG FUND.

One half of the receipts from the County of Bristol for dog licenses,

794.99

HIGHWAYS AND STREETS.

Receipts from sundry sources, as follows :

Amount on rolls, error,	\$3.70	
Bristol County House of Correction, curbing,	314.26	
Jonathan Bourne, dressing,	57.16	
George Delano & Sons, drain,	43.75	
Dirt, stone, &c.,	489.95	
Edison Electric Illuminating Co.,	247.96	
Edison Manufacturing Co.,	17.98	
J. M. Forbes, iron barrow,	9.00	
H. A. Lawton, flagging,	100.00	
New Bedford & Fairhaven Horse R. R.,	267.19	
Charles S. Paisler, drain, Palmer street,	358.07	
Morgan Rotch, labor,	18.80	
William A. Russell, drain,	21.41	
Sale of land,	1,976.43	
T. B. Tripp et al, drain, Harmony street,	712.95	
T. B. Tripp, drain and grading,	650.00	
Wamsutta Mills, drain,	27.60	
Cemeteries,	3.00	
Fire Department,	3.50	
Incidentals,	358.53	
New Bedford & Fairhaven Bridge,	77.53	
New Bedford Water Works,	1,084.35	
Poor Department,	488.66	
Repairs of City Property,	15.58	
Repairs of School-houses,	11.70	
Sewers,—Allen street,	7.15	
Austin street,	17.60	
Blackmer street,	16.80	
Bonney street,	703.45	
Chestnut street,	3.20	
Cottage street,	35.98	
County street,	20.36	
Delano street,	11.75	
Division street,	17.56	
General Account,	2,820.21	
Oak and Grape streets,	205.33	
Rockland street,	237.73	
Warwick street,	5.85	
Weld street,	46.45	12,508.48

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INCIDENTALS.

A. T. Corey, award not paid,	\$300.00	
L. Wardsworth, second audit,	300.00	
Union street extension,	42.34	642.34

NEW BEDFORD SCHOOL COMMITTEE.

Income from trust funds, Sylvia Ann Howland bequest,	3,000.00
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NEW BEDFORD SCHOOL COMMITTEE—JONATHAN BOURNE
PRIZE FUND.

Income from fund to January 1, 1888,	13.17
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NEW BEDFORD WATER WORKS.

Received from sundry sources, as follows :

From takers, rates,	\$46,038.06	
For services,	3,848.12	
For main pipe sold,	633.67	
For hydrants,	13.38	
For meters,	359.25	
For off's and on's, fines,	24.00	
For rents,	104.00	
Sale of hay,	143.75	
Mercury Publishing Co., second audit,	14.00	51,178.23

PERMANENT DEBT.

Accrued interest on bonds of April 1, 1887,	22.37
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POLICE DEPARTMENT.

Received of the Third District Court of Bristol,
and from other sources, as follows :

Bill twice audited,	\$3.75	
Officers' fees and mittimuses,	3,993.66	
Rent of court room,	400.00	4,397.41

POOR DEPARTMENT.

The receipts have been as follows :

CITIES AND TOWNS.

Acushnet,	\$80.50	
Boston,	239.31	
Bridgewater,	45.00	
Brookline,	50.00	
Carver,	51.50	
Chatham,	15.00	
Concord,	31.43	
Dartmouth,	212.00	
Edgartown,	47.00	
Fairhaven,	74.40	
Fall River,	110.75	
Falmouth,	188.40	
Freetown,	99.85	
Lawrence,	166.00	
Lowell,	2.00	
Ludlow,	87.15	
Middleborough,	2.00	
Nantucket,	196.52	
Norton,	35.00	
Orleans,	2.00	
Palmer,	7.60	
Pittsfield,	202.45	
Plymouth,	109.59	
Rehoboth,	95.55	
Rochester,	46.00	
Salem,	73.00	
Southbridge,	6.00	
Southwick,	91.00	
Taunton,	153.05	
Tisbury,	4.00	
Waltham,	54.20	
Wareham,	37.00	
Wellfleet,	59.50	
West Bridgewater,	10.00	
Westport,	251.15	
Worcester,	4.00	\$2,939.90
From state, support and burials,		2,535.89

Alms-house, city :

Farm produce,	\$110.00		
Fire Department,	833.45		
Military aid,	464.00		
Truant school,	1,464.62	2,872.07	

Received for support at hospitals, and from
other sources :

E. P. Allen,	\$98.84		
B. S. Brownell,	32.49		
Wm. O. Brownell's estate,	210.46		
Harriet Harrington,	244.58		
Hugh McHugh,	125.99		
M. Shanack,	70.00		
C. S. Tarbox,	63.84		
B. R. Watson,	135.43		
Isaiah Wood, board of son,	27.86		
Bristol County House of Correction,	9.00		
Relief committee,	300.00		
H. H. Tillson, second audit,	4.95	1,323.44	9,671.30

REAL ESTATE TAX ACCOUNT.

James Doull, tax of 1885,	\$41.18		
James Doull, tax of 1885,	85.97		
Reuben M. Pittsley, tax of 1884,	10.95		
Lawrence Quinn, tax of 1885,	18.09		
John Sylvia, tax of 1885,	7.34		
Wm. S. White, tax of 1883,	92.18	255.71	

REPAIRS OF CITY PROPERTY.

Amount twice audited,	29.08		
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SCHOOLS — DOG FUND.

Received of the County of Bristol, one half of the dog licenses,	795.00		
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SCHOOLS — INCIDENTALS.

Error in rolls,	\$1.00		
Sullings, Kingman & Co., twice audited,	5.71	6.71	

SCHOOLS — REPAIRS OF BUILDINGS.

Frederick A. Sowle, amount twice audited,	18.88		
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SEWER—BLACKMER STREET.

Of Acushnet Avenue sewer, No. 4,	9.96
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SEWER—DIVISION STREET.

Of General Sewer Account,	342.93
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SEWERS—GENERAL ACCOUNT.

Amount overpaid, returned,	\$.50	
Austin Street sewer,	15.90	
Blackmer Street sewer,	15.47	
Coggeshall Street sewer,	1,700.00	
Cottage Street sewer,	373.50	
County Street sewer,	121.77	
South Front Street sewer,	434.50	
Union Street sewer,	683.95	
Sundry city accounts,	3,156.49	6,502.08

SEWER—ROCKLAND STREET.

Of Cottage Street sewer,	19.50
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TEMPORARY LOAN.

Received from notes issued by authority of the
City Council, as follows:

T. S. Moseley & Co., Boston,	\$340,000.00	
New Bedford Institution for Savings,	93,000.00	433,000.00

TRUST FUNDS.

Jonathan Bourne, "Prize Fund" gift to New Bedford School Committee,	1,000.00
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UNAPPROPRIATED FUNDS.

The receipts were as follows:

Betterments,—Coggeshall street,	\$58.84	
County street,	15.00	
Sawyer street,	33.54	107.38
Interest,—Bank tax, 1886,	\$1,413.39	
Deposits,	1,917.12	
Premium on bonds,	355.00	
Taxes,	573.74	4,259.25

Licenses and fees,—Circuses,	\$77.00	
Liquor,	40.75	
Milk,	100.00	
Peddlers,	50.00	
Petroleum, &c.,	944.75	
Sealers,	71.56	1,284.06
Rents,—Armory,	\$400.00	
City Hall,	2.00	402.00
State,—Corporation tax, 1885,	\$8,289.89	
“ “ 1886,	16,415.29	
“ “ 1887,	33,302.11	57,907.29
Highway Department,		3.00
Permits to enter sewers,		370.00
Pairpoint Mfg. Co., street discontinued,		300.00
Wm. Jordan, labor Board of Health,		20.50
G. S. Palmer, “ “ “		6.00
Sale of land, Library square,		10,875.35
Sale of land, Middle and Cottage streets,		100.00
Sale of old material,		22.34
A. P. Smith, labor Board of Health,		32.00
Tuition of non-resident pupils,		277.18

Amount received for sewer taxes:

Acushnet Avenue, No. 4,	\$113.21
Arnold Street,	230.50
Austin Street,	94.67
Blackmer Street,	52.70
Bonney Street,	59.05
Borden Street,	91.30
Campbell Street,	20.83
Cedar Street,	49.41
Coffin Avenue,	162.26
Coggeshall Street,	445.10
Cottage Street,	379.70
County Street,	302.64
Court Street,	35.26
Dartmouth Street,	1,239.16
Delano Street,	161.48
Division Street,	588.50
Durfee Street,	17.50
Front Street,	162.18
Hawthorn Street,	149.95
Hicks Street,	25.63
Hillman Street,	374.72
North Street,	170.43

Park Street,	18.34		
Parker Street,	47.95		
Robeson Street,	54.31		
South Street,	400.98		
South Second Street,	60.17		
Tremont Street,	346.38		
Union Street,	783.49	6,637.80	82,604.15
Total receipts, including balance, Jan. 3, 1887,			<u>\$1,268,829.33</u>

PAYMENTS.

Payments have been made upon the warrants of the mayor, as follows :

Cemeteries,		\$13,695.78	
Com. of Mass., national bank taxes,		50,879.95	
City stable and lot,		9,352.85	
Com. of Mass., military aid, chapter 252,	\$6,656.33		
“ “ “ “ 301,	3,264.50	9,920.83	
Court Street school-house and lot,		4,500.00	
Fire Department,		30,898.88	
Free Public Library,—Incidentals,	\$5,324.85		
“ “ “ “ “ Dog fund,	772.50		
“ “ “ “ “ Trustees' account,	4,349.55	10,446.90	
Highway Department,		91,493.75	
Incidentals,		42,200.95	
Light Department,		27,010.40	
New Bedford & Fairhaven Bridge,		3,350.99	
New Bedford Water Works,		67,528.42	
Permanent Debt,—Principal,	\$45,000.00		
“ “ “ “ “ Interest on bonds,	65,120.00		
“ “ “ “ “ Interest trust funds,	6,259.17	116,379.17	
Police Department,		49,436.05	
Police station and lot, Weld street,		5,146.28	
Poor Department,		42,616.96	
Public Schools,—Committee's account,	\$3,039.69		
“ “ “ “ “ Dog fund,	1,079.51		
“ “ “ “ “ Incidentals,	23,480.44		
“ “ “ “ “ Repairs of buildings,	3,769.81		
“ “ “ “ “ Teachers,	75,473.10		
“ “ “ “ “ Truant,	2,422.17	109,264.72	
Real Estate Tax Account,		479.52	
Repairs of city property,		4,568.64	
Salaries,		13,940.00	

Sewers,—Acushnet Avenue, No. 4,	\$287.83	
Allen Street, No. 2,	673.51	
Austin Street, No. 3,	554.69	
Blackmer Street,	525.58	
Bonney Street,	5,590.42	
Chestnut Street,	108.60	
Coggeshall Street,	5,290.45	
Cottage Street,	1,518.51	
County Street,	188.13	
Delano Street,	380.26	
Division Street,	23.56	
General Account,	21,911.85	
Oak and Grape Streets,	14,705.10	
Pearl and Willis Streets,	475.50	
Rockland Street,	328.38	
South Street,	1,053.15	
South Front Street,	886.76	
Tremont Street,	1,043.12	
Union Street,	3,120.95	
Warwick Street,	157.38	
Weld Street,	610.16	59,433.89
Sinking funds,		14,600.00
Temporary loan,		470,000.00
Union street extension,		4,139.99
		<hr/>
		\$1,251,284.92
Balance, cash in treasury, Jan. 2, 1888,		17,544.41
		<hr/>
		\$1,268,829.33

IN BOARD OF ALDERMEN,
Feb. 23, 1888.

Received, ordered printed in the City Documents and
sent down for concurrence.

D. B. LEONARD,
City Clerk.

IN COMMON COUNCIL,
2 mo. 23, 1888.

Concurred.

WM. A. MACKIE,
Clerk.

STATEMENT
OF THE
SINKING FUNDS,

FOR THE

Financial Year ending Jan. 2, 1888.

REPORT OF THE TREASURER OF SINKING FUNDS.

CITY OF NEW BEDFORD.

TREASURER'S OFFICE, January 2, 1888.

To the Commissioners of Sinking Funds of the City of New Bedford:

GENTLEMEN, — I herewith most respectfully present to you my account as Treasurer of the Sinking Funds for the financial year ending at this date.

There are at this time six classes of bonds that are secured by sinking funds, namely: Eighty thousand dollars Improvement Bonds, issued April 1, 1885, for ten years; twenty-five thousand dollars Improvement Bonds, issued April 1, 1886, for ten years; thirty thousand dollars Sewer Bonds, issued April 1, 1886, for twenty years; thirty thousand dollars Sewer Bonds, issued October 1, 1886, for twenty years; fifteen thousand dollars Sewer Bonds, issued April 1, 1887, for twenty years; and thirty-five thousand dollars Improvement Bonds, issued April 1, 1887, for ten years.

Amount of Sinking Funds, Jan. 3, 1887,	\$17,162.13
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APPROPRIATIONS BY THE CITY COUNCIL.

For \$80,000 Bonds, issued April 1, 1885,	\$6,500.00	
25,000 " " " 1886,	2,300.00	
30,000 " " " 1886,	1,200.00	
30,000 " " Oct. 1, 1886,	1,200.00	
15,000 " " April 1, 1887,	600.00	
35,000 " " " 1887,	2,800.00	14,600.00
Interest on investment,		1,242.53
		<hr/>
		\$33,004.66

INVESTMENTS FOR THE YEAR.

Amount on deposit at the National Bank of Commerce and the Citizens' National Bank, on interest credited monthly,	\$31,762.13
Interest to April 1, 1887, from National Bank of Commerce,	\$240.48
Interest to January 1, 1888, from Citizens' Na- tional Bank,	1,002.05
	1,242.53
	<hr/>
	\$33,004.66

Respectfully submitted.

JAMES H. HATHAWAY,
Treasurer.

R E P O R T

OF THE

COMMISSIONERS OF SINKING FUNDS.

NEW BEDFORD,

January 21, 1888.

At a meeting of the Commissioners of Sinking Funds of the City of New Bedford, held this day, it was

Voted, To adopt the foregoing statement of the Treasurer as the Report of the Commissioners of the Sinking Funds of the City of New Bedford, required by the statutes of Massachusetts to be made annually to the City Council.

ISAAC W. BENJAMIN,	}	Commissioners.
WM. A. CHURCH,		
WM. H. MATHEWS,		

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1888—CITY DOCUMENT No. 9.

ANNUAL REPORT

OF THE

CHIEF OF POLICE

OF THE

CITY OF NEW BEDFORD,

TO THE

City Council,

For the Year 1887.

NEW BEDFORD:

E. ANTHONY & SONS, CITY PRINTERS.

1888.

IN BOARD OF ALDERMEN,
January 12, 1888.

Received, and ordered printed in the City Documents,
and sent down for concurrence.

D. B. LEONARD,
City Clerk.

IN COMMON COUNCIL,
January 12, 1888.

Concurred.

WM. A. MACKIE,
Clerk.

R E P O R T.

To His Honor the Mayor and Gentlemen of the City Council:

I have the honor to herewith submit my report as Acting Chief of Police, showing the condition of the department and a synopsis of the work done. There has been no change in the organization of the force. An increase in the day force has been made by transferring four men from the night force.

One thousand and ninety-three arrests have been made during the year, classified as follows :

Assault and battery,	123	Keeping noisy and disorderly	
Adultery,	2	house,	6
Assault felonious,	3	Larceny,	41
Assault on an officer,	2	Larceny felonious,	3
Bastardy,	6	Lewd and lascivious cohabitation,	2
Breaking and entering and attempt to commit larceny,	2	Malicious mischief,	6
Breaking and entering and larceny,	17	Night walking,	1
Breaking and entering and larceny in a railroad car,	1	Non-support,	20
Burglary,	1	Obstructing an officer,	2
Common nuisance,	1	Obtaining goods under false pretences,	1
Contempt,	2	Peddling without license,	1
Crime against nature,	1	Polygamy,	1
Disturbing the peace,	57	Rape,	1
Drunkenness,	678	Receiving stolen goods,	1
Embezzlement,	4	Selling adulterated milk,	4
Fugitive from justice,	1	Stubborn children,	1
Idle and disorderly,	7	Threatening bodily harm,	2
Illegal sale of liquor,	11	Trespass,	1
Insane,	34	Unlawfully using a team,	3
Indecent exposure,	1	Vagrants,	6
Indecent assault,	1	Violating city ordinance,	3
Keeping an unlicensed dog,	1	Violation Lord's day,	3
Keeping liquor nuisance,	27	Violation orders of the Board of Health,	1

NATIVITY OF PRISONERS.

United States,	461	Sweden,	4
British Provinces,	22	Scotland,	22
Canada,	47	Switzerland,	2
Ireland,	335	Poland,	5
England,	122	Russia,	2
France,	9	Denmark,	1
Germany,	15	Wales,	3
Portugal,	42	China,	1

Of the persons arrested 944 were males, 149 females; 260 were non-residents and 58 were minors; 566 were committed to prison, 29 appealed from sentence, 28 defaulted, 25 were discharged, 2 were delivered to out-of-town officers and 443 paid fine and costs.

MISCELLANEOUS BUSINESS.

Amount of property reported		Disturbances suppressed,	259
stolen in the city,	\$2335.45	Dogs killed,	8
Amount property recovered,		Fire alarms given,	5
	\$1889.00	Fires extinguished without	
Arrested on warrants,	192	alarms,	7
Buildings found open and se-		Horses found cast,	7
cured,	73	Intoxicated persons helped home,	7
Cases investigated,	882	Lost children found and re-	
Dangerous buildings,	3	stored,	30
Defective drains and vaults,	1	Stray teams put up,	5
Defective hydrants,	2	Street obstructions reported,	1
Defective streets and sidewalks,	29	Water running to waste,	27

LODGERS.

Eleven hundred and seventy-three persons have been supplied with lodgings during the year, of whom 1171 were males, 2 were females, 537 Americans, 636 foreigners and 59 minors.

NATIVITY OF LODGERS.

United States,	537	Germany,	3
Canada,	9	Sweden,	10
Ireland,	386	Scotland,	30
England,	196	Spain,	1
France,	1		

STATION HOUSES.

The central station needs painting outside, the south station needs a new floor, and the west station requires a drain, as all the water from the sink runs under the floor and there remains causing a nuisance which should be abated. Beyond this very little need be done the coming year. In August last this department took possession of the new station house on Weld street. It seems well calculated for police purposes. The heating apparatus is in itself perhaps all that can be desired, but the circulating pipes as now arranged fail, in very cold weather, to heat the police apartment sufficiently for comfort. I would therefore recommend that another radiator be placed therein.

In accordance with Chap. 234 of the Acts of 1887, a police station has been provided expressly for the confinement of female prisoners. It is conveniently located and arranged for the purpose for which it was designed, and it is hoped will accomplish all that the framers of the law intended.

The building of the several mills at the south part of the city and the consequent increase of the population in that section, makes it, in my judgment, necessary that a new station house be built in that vicinity. I would therefore recommend that one be built at or near the corner of South Water and Rivet streets.

THE FORCE.

The discipline of the force has been fairly good, four patrolmen only having been suspended, four reprimanded and one discharged during the year; two for sixty days, and two for ten days, each of them for violation of Rule 50, Police Regulations, relating to patrolling their beats; patrolman John H. Gifford, for a second violation of the same rule, was allowed to resign and was discharged; four patrolmen were reprimanded for violation of Rule 20 relating to the use of intoxicating liquor while on duty.

Seven men have been transferred from night to day duty and three from day to night duty.

In closing my report I desire to tender my thanks to His Honor the Mayor, and Committee on Police for the interest manifested in this department.

Respectfully submitted.

JAMES L. WILBER,

Acting Chief of Police.

1888—CITY DOCUMENT No. 10.

ANNUAL REPORT

OF THE

SUPERINTENDENT OF STREETS

OF THE

City of New Bedford,

TO THE

City Council,

FOR THE YEAR 1887.

NEW BEDFORD:

E. ANTHONY & SONS, CITY PRINTERS.

•1888.

IN BOARD OF ALDERMEN,
April 12th, 1888.

Received, ordered printed in the City Documents, and
sent down for concurrence.

D. B. LEONARD,
City Clerk.

IN COMMON COUNCIL,
4 mo. 26, 1888.

Concurred.

WM. A. MACKIE,
Clerk.

REPORT.

NEW BEDFORD STREET DEPARTMENT.

SUPERINTENDENT'S OFFICE,

January 1, 1888.

*To the Honorable Mayor and City Council of the City of
New Bedford:*

GENTLEMEN, — Herewith I have the honor to submit my annual report, giving location and cost of work done in the departments under my charge during the year 1887, together with schedules of property belonging to the departments, and the estimated value thereof.

Very respectfully,

NATHL. H. GREENE,

Superintendent of Streets, Sewers, and Bridges.

TABLE No. 1.
MACADAM STREETS, NEW AND OLD.

Streets.	Between what Points.	Length. Feet.	Tons Stone.	Cost.	Remarks.
Arnold,	County and Orchard,	200	52	\$87.60	Repaired.
Acushnet ave.,	Weld street and Lund's corner,	4,892	2,237	2,261.98	"
Brigham,	Hawthorn and Allen,	1,202	1,850	1,854.56	New.
Bedford,	Fifth and Sixth,	100	20	18.45	Repaired.
County,	Robeson and Delano,	10,000	3,155	3,800.84	"
Court,	County and Orchard,	165	29	30.50	"
"	Cottage and Emerson,	902	364	449.01	"
Campbell,	Pleasant and County,	801	638	647.72	New.
Cottage,	Maple street south,	195	126	155.05	"
"	Union and Maple,	1,400	188	224.83	Repaired.
"	Square at Morgan street,	35	20	23.70	"
Fifth,	Madison and Russell,	390	246	297.67	Grade raised.
"	Union and School,	234	38	84.10	Repaired.
High,	Acushnet avenue and Foster street,	675	202	314.95	"
Hawthorn,	E. D. Mandell's driveway west to R. Snow's driveway,	960	1,788	1,653.85	New.
"	County and Orchard,	200	30	86.15	Repaired.
"	At Ash street,	40	22	29.45	"
Kempton,	County and Summer,	300	24	35.85	"
Maxfield,	Foster and State,	175	176	195.27	New.
Madison,	Fourth and Seventh,	700	34	64.44	Repaired.
"	County and Orchard,	480	404	436.62	New.
Mill,	Hill and County,	485	356	395.90	"
"	Purchase street and Acushnet ave.,	65	14	27.07	Repaired.
Middle,	Second and Sixth,	658	272	339.39	"
Pleasant,	Market and William,	180	154	220.95	New, 25 feet wide.

Pleasant,	Kempton and High,	90	122	142.35	New, 25 feet wide.
"	Maxfield and Sycamore,	285	231	259.30	New, 17 feet wide.
"	William street and Mechanics lane,	125	197	248.73	New, 25 feet wide.
"	Hillman and Maxfield,	265	195	235.85	New, 16 feet wide.
"	Mill and North,	200	166	170.25	New, 16 feet wide.
Pearl,	Kempton and Mill,	125	56	77.05	New, 16 feet wide.
Rockdale ave.,	East of Acushnet avenue,	150	18	31.52	Repaired.
"	Durfee street and Hathaway road,	1,400		141.88	"
"	Kempton street north,	450		37.94	"
Rural,	From school-house north,	334	224	287.78	New.
Reed,	Allen and Grape,	325	371	484.94	"
Shawmut ave.,	Kempton and Court,	240	50	71.50	Repaired.
"	Sutton street and Hathaway road,	1,590	4,907	2,906.44	New, 20 feet wide.
Sixth,	Grand street north,	280	142	201.05	Raised grade.
"	Walnut and Russell,	371	46	85.22	Repaired.
Second,	Bedford and Grinnell,	925	249	344.62	"
School,	School and Walnut,	340	99	137.25	"
"	Fourth and Fifth,	210	135	177.42	New.
Spring,	Sixth and Seventh,	214	219	253.30	"
Smith,	Fourth and Fifth,	210	102	136.50	Repaired.
Union,	Summer and Cottage,	450	254	296.40	New.
William,	Seventh and Lincoln,	1,000	50	102.70	Repaired.
Weld,	Sixth and Eighth,	300	18	28.85	"
	Purchase street and Acushnet ave.,	540	140	294.45	"
	Sundry small repairs,			302.35	
		35,851	20,430	\$21,191.54	

TABLE No. 2.
STREETS GRAVELED AND GRADED.

Streets.	Between what Points.	Length. Feet.	Cost.
Ash,	Sycamore and Union,	2,600	\$408.05
Austin,	Ashland and Wilson,	1,000	73.45
Atlantic,	Hawthorn and Arnold,	250	29.25
Arch,	Union and Arnold,	200	42.90
Arnold,	Lincoln and Arch,	100	8.20
Acushnet ave.,	Rivet and Potomska,	400	5.55
“	Lund's corner and Freetown line,	24,000	6,088.88
Bonney,	Rivet and Rockland,	750	906.56
Borden,	Allen and Dartmouth,	500	89.11
Belleville,	Upper and lower roads,	3,200	228.00
Bay,	Ward and Borden,	200	8.85
Blackmer,	Second and County,	500	37.95
Brigham,	Hawthorn and Allen,	1,200	1,172.80
Blackburn,	Cedar Grove street north,	200	217.90
Braleyville rd.	Acushnet ave. and Freetown line,	3,300	35.50
Cedar Grove,	Acushnet ave. and County street,	1,200	305.76
Campbell,	Emerson and Park,	450	96.60
Cottage,	Smith and Willis,	450	234.49
“	Kempton and Elm,	600	26.39
Coggeshall,	County and Purchase,	300	56.55
“	Acushnet avenue and the river,	2,000	570.70
County,	Linden and Purchase,	3,000	546.46
Clark,	Purchase and Mt. Pleasant,	1,800	758.24
Cedar,	Locust and Durfee,	400	34.85
Court,	Reed street west,	120	5.20
Chancery,	Hillman and Kempton,	400	40.45
Chestnut,	Locust street north,	115	10.80
Clinton,	Cottage and Chancery,	560	97.85
Cove road,	Crapo street and Dartmouth line,	400	34.15
Crapo,	Rockland and Washington,	400	15.30
Church,	Coffin avenue and Nash road,	1,200	413.95
Division,	County and Crapo,	1,050	165.84
Durfee,	Cedar street and Shawmut ave.,	500	15.70
“	Rockdale avenue east,	600	111.18
Emerson,	Willis and Campbell,	180	5.30
Elm,	Newton and Park,	300	41.42
“	Summer and Cottage,	280	13.65
Fourth,	Bedford and Grinnell,	800	41.13
Florence,	Kempton street north,	300	10.40
First,	Rivet and South,	260	19.40
“	School and Spring,	180	11.20
Front,	Hicks and Coggeshall,	900	37.50
“	Grinnell and Potomska,	1,000	24.60
French ave.,	West side,	1,500	101.95
Fifth,	Russell and Wing,	500	72.93
Franklin,	Pleasant and County,	200	6.30
Fruit,	Dartmouth street east,	300	21.70
Fair,	Sears and Dartmouth,	100	8.75

STREETS GRAVELED AND GRADED—*Continued.*

Streets.	Between what Points.	Length. Feet.	Cost.
Grape,	Oak and Rural,	400	\$19.50
Grand,	Shawmut avenue west,	200	140.83
Grove,	Ash and Cottage,	350	11.50
Grinnell,	Second and Bonney,	1,000	104.55
Hillman,	Ash and Newton,	300	11.03
Harrison,	Oak and Hickory,	200	18.00
Howard,	Cedar Grove and Coggeshall,	350	27.20
Hathaway rd.,	Shawmut ave. and Mt. Pleasant st.,	900	325.00
“	Rockdale avenue west,	2,300	324.81
James,	Arnold and Court,	200	10.58
Katharine,	County and Crapo,	875	325.86
Kilburn,	Front and Rock,	300	49.50
King Philip rd.	Acushnet ave. and Braleyville road,	10,300	397.00
Leonard,	Water street east,	400	71.25
Locust,	County and Chestnut,	260	129.15
Lindsey,	Kempton and Court,	800	51.25
Mosher,	County and Crapo,	1,000	125.12
Maxfield,	Summer and County,	250	43.25
Mill,	Rockdale ave. and Hunter street,	400	11.60
“	Hill and Pleasant,	227	40.22
Maple,	Ash and Cottage,	350	37.25
Middle road,	Clark's Point,	400	31.20
Mt. Pleasant,	Plainville road and Nash road,	2,000	341.85
Middle,	Cedar and Summer,	600	60.05
Morgan,	Cedar and Ash,	150	6.35
Mt. Vernon,	Mt. Pleasant st. and Shawmut ave.,	800	52.27
Main road,	Lund's corner and Acushnet line,	800	75.00
Mill road,	Main road and Acushnet avenue,	1,500	25.00
Newton,	Kempton and Elm,	500	87.70
North,	Cedar and Spruce,	150	33.40
“	Chancery and Newton,	650	122.85
Orchard,	Allen and Washington,	560	67.09
Park,	Kempton and Parker,	1,000	139.09
“	Court and Arnold,	355	80.80
Plainville rd.,	O. C. R. R. and Shawmut avenue,	4,000	694.28
Penniman,	Purchase and State,	300	21.95
Pope,	Pleasant and Chestnut,	1,000	72.41
Peckham road,	Acushnet ave. and Acushnet line,	650	42.00
Pleasant,	North and Hillman,	240	75.52
“	Pope and Austin,	1,200	149.80
Rock,	Kilburn and Coggeshall,	1,000	190.93
Rockland,	County and Dartmouth,	1,000	186.09
Rural,	Grape and Allen,	300	29.70
Rivet,	Bonney street west,	750	91.15
Robeson,	Cedar street and Shawmut avenue,	710	117.20
Smith,	Emerson and Park,	450	82.05
Sycamore,	Ash and Cedar,	200	44.95
“	Pleasant and State,	300	22.97
Shawmut ave.,	Sutton street and Hathaway road,	1,600	750.90
“	Hathaway road and F. R. R. R.,	540	106.00

STREETS GRAVELED AND GRADED—*Concluded.*

Streets.	Between what Points.	Length. Feet.	Cost.
State,	Linden and Penniman,	700	\$73.90
"	Maxfield and Hillman,	240	18.15
Seneca,	Acushnet avenue east,	200	14.40
Second,	Rivet and Blackmer,	210	22.20
Summer,	Elm and Hillman,	850	83.43
Sutton,	Highland street and Shawmut ave.,	240	45.00
Topham,	Shawmut ave. and Highland street,	1,000	149.90
Thompson,	County and Crapo,	400	46.75
Tarkiln Hill rd.	Lund's corner and O. C. R. R.,	4,900	51.00
Union,	Park and James,	1,000	140.92
Winsor,	County and Crapo,	950	237.61
Warwick,	Rockland and Thompson,	300	28.88
Wilson,	Durfee and Austin,	200	12.10
Ward,	Allen and Hickory,	300	16.50
Willis,	Emerson and Park,	450	85.20
Washington,	County and Orchard,	600	53.88
Wing,	Acushnet avenue and Fourth street,	200	25.35
		118,552	\$20,489.81

TABLE No. 3.
CURBING AND GUTTERS.

Streets.	Between what Points.	Length. Feet.	Cost.	Remarks.
Ash,	At Middle,	40	\$9.23	Repaired broad gutter.
"	Union and Arnold,	91	78.45	New, east side.
"	Court and Union,	226	45.81	New, west side, no curb.
"	"	239	237.63	New, east side, curb 8 x 20 inches.
Arnold,	Grove and Bedford,	384	138.28	New, east side, no curb.
Asbland,	Cottage and Orchard,	284	39.60	Repaired, south side.
Allen,	Robeson and Austin,	47	38.25	New, east side.
"	Brigham and Page,	400	47.39	Repaired, north side.
"	At Borden,	40	9.97	Repaired, broad gutter, north side.
"	Cottage and Borden,	290	196.10	New, south side.
Acushnet ave.,	Grinnell and Wing,	514	335.45	New curb, west side.
Austin,	Asbland and County,	95	62.15	New curb, south side.
Bonney,	Washington and Rockland,	40	8.08	Repaired, west side.
Bedford,	Ash and Borden,	269	75.21	New, north side, no curb.
Blackmer,	Acushnet ave. and County street,	256	70.08	New, south side, no curb.
County,	Linden and Weld,	130	54.32	New, east side, no curb.
"	Smith and Willis,	535	65.26	Repaired, west side.
"	Middle and Kempton,	167	118.28	New, west side.
"	Delano and Rivet,	700	158.78	New, east side, no curb.
"	Clinton and Madison,	60	5.50	Repaired, west side.
Clark,	Purchase and Reynolds,	850	277.48	New gutters, both sides, and 96 feet of curbing corners.
Cedar,	Locust and Robeson,	252	166.11	New, east side.
"	"	400	23.22	Repaired, west side.
"	Parker and Willis,	127	94.80	New, east side.
Campbell,	County and Summer,	288	95.77	Repaired, N. side, 111 ft. new curb.

CURBING AND GUTTERS—Continued.

Streets.	Between what Points.	Length. Feet.	Cost.	Remarks.
Cottage,	At Elm,	24	\$20.05	New curbing, two corners.
"	Court and Morgan,	113	18.28	Repaired, west side.
"	Maxfield and Sycamore,	100	10.95	Repaired, west side.
"	At Kempton,	12	9.80	New curbing, corner.
"	Elm and Morgan,	50	5.05	Repaired, west side.
"	At Middle,	24	16.75	New curbing, two corners.
"	At Locust,	12	10.40	New curbing, corner.
Court,	Ash and Cottage,	331	367.80	New curb, 8 x 20 inches, south side.
Chestnut,	At Locust,	12	10.50	New curbing, corner.
Durfee,	Shawmut avenue west,	145	30.37	New curbing, corner.
Elm,	Second and Water,	80	38.40	New, south side, no curb.
"	At Cottage,	40	9.80	Repaired, north side.
Fifth,	Walnut and Russell,	553	444.32	New, east side.
"	Madison and Russell,	87	17.32	Repaired, west side.
"	Russell and Bedford,	227	153.50	New curbing, west side.
Fourth,	Washington and Rockland,	140	19.29	Repaired, east side.
"	School and Walnut,	75	8.10	Repaired, west side.
"	Washington and South,	150	125.20	New, west side.
Front,	South and Potomska,	650	585.77	New, east side.
Grove,	Ash and Cottage,	382	129.19	New, north side, no curb.
Grimmell,	Prospect and Water,	700	82.76	Repaired, both sides.
High,	Acushnet ave. and Purchase street,	400	70.65	Repaired, both sides.
Hillman,	Summer and County,	15	10.44	New, north side.
"	Cottage and Chestnut,	210	71.00	New, south side, no curb.
Linden,	County and State,	61	46.28	New curbing, north side.
"	County and Ashland,	70	51.15	New curbing, south side.
Madison,	Fourth and Fifth,	95	33.70	Repaired, south side.
Mt. Pleasant,	Near West cemetery,	80	7.30	Repaired, both sides.

Mill,	Purchase street and Acushnet ave.,	45	8.55	Repaired, north side.
"	County and Hill,	202	148.85	New curbing, north side.
"	At Cottage,	80	8.05	Repaired gutter, both sides.
Mosher,	County and Crapo,	241	59.46	New, north side, no curb.
Middle,	At Cottage,	48	41.15	Four new curbing corners.
"	Sixth and County,	50	9.45	Repaired, north side.
"	County and Summer,	40	14.75	Repaired, north side.
Morgan,	At Cottage,	80	16.29	Repaired broad gutter, both sides.
North,	At Cottage,	40	9.00	Repaired gutter, south side.
"	At Cottage,	40	7.60	Repaired gutter, north side.
Orchard,	Hawthorn and Madison,	25	6.35	Repaired, west side.
Pleasant,	Willam street and Mechanics lane,	140	124.90	New, east side.
"	"	140	22.50	Repaired, west side.
Parker,	Cedar and Chestnut,	24	20.40	New, N. side, two curbing corners.
"	At Cedar.	40	13.75	New broad gutter.
"	At Shawmut avenue,	40	9.25	Repaired broad gutter.
Park place,	Sixth street west,	50	38.44	New, south side.
Purchase,	Pope and Franklin,	300	47.40	Repaired, east side.
Potomska,	Second and Fourth,	423	368.06	New, south side.
Rockland,	Acushnet ave. and County street,	385	321.13	New, north side.
"	Dartmouth and Bonney,	117	100.44	New, north side.
Robeson,	County and Ashland,	374	297.03	New, north side.
School,	Sixth and Seventh,	113	9.51	Repaired, south side.
State,	At Merrimac,	80	13.40	Repaired broad gutter, both sides.
Seventh,	Spring and Union,	40	11.50	Repaired broad gutter.
Sixth,	School and Spring,	30	6.80	Repaired broad gutter.
Spring,	At Seventh,	35	7.85	Repaired broad gutter, north side.
Smith,	At Cottage,	24	22.68	Two new curbing corners.
"	"	60	21.20	New broad gutter, both sides.
"	At Emerson,	24	9.00	Repaired, north side.
Summer,	Middle and Elm,	175	131.30	New curb, west side.
Shawmut ave.,	Durfee and Austin,	200	13.90	Repaired, east side.
Thomas,	Maxfield and Sycamore,	174	145.15	New, west side.

CURBING AND GUTTERS — *Continued.*

Streets.	Between what Points.	Length. Feet.	Cost.	Remarks.
Union,	Sixth and Seventh,	199	\$54.15	Repaired, south side.
"	"	211	32.53	Repaired, north side.
"	Cottage and Ash,	464	427.06	New curb, 8 x 20 inches, N. side.
Water,	Potomaska and South,	690	452.49	New curbing, west side.
"	Hillman and North,	150	11.90	Repaired, west side.
Wing,	Acushnet ave. and Fourth street,	210	158.94	Repaired, north side.
"	At Fifth,	40	9.60	Repaired broad gutter, north side.
Willis,	Chestnut and Cottage,	70	62.73	New, south side.
"	Summer and Chestnut,	202	153.60	New curbing, north side.
"	At Emerson,	40	6.75	Repaired broad gutter, south side.
		17,717	\$8,310.16	

TABLE No. 4.
CONCRETE SIDEWALKS LAID.

Streets.	Between what Points.	Square Yards.	Cost.	Remarks.
Arnold,	Orchard and Cottage,	218 6-10	\$109.30	South side.
Ash,	Union and Arnold,	526 4-10	263.20	East side.
Aeushnet ave.,	Campbell and Maxfield,	35	17.50	"
Cedar,	Locust and Robeson,	452 2-10	226.10	West side.
County,	Hillman and Maxfield,	68	34.00	"
"	Campbell and Willis,	215 6-10	107.80	"
Campbell,	County and Summer,	111 2-10	55.60	North side.
Chestnut,	Maxfield and Sycamore,	226	113.00	East side.
Fifth,	Madison and Russell,	154 6-10	77.30	"
Fourth,	South and Grinnell,	98 5-10	49.25	West side.
Grinnell,	Water and Prospect,	286 9-10	143.45	North side.
Hillman,	Cottage and Chestnut,	172 6-10	86.30	South side.
Kempton,	Palmer and Florence,	83	41.50	"
Lincoln,	Union and Arnold,	30 9-10	15.45	East side.
Mill,	County and Hill,	158 4-10	79.20	North side.
Purchase,	Linden and Logan,	78 8-10	51.22	East side.
"	Pope and Franklin,	338 5-10	197.10	"
Parker,	Summer and Chestnut,	70 9-10	35.45	North side.
"	Cedar and Spruce,	119 3-10	59.65	"
Rockland,	Bonney and Dartmouth,	68	34.00	"
Robeson.	County and Ashland,	292 2-10	146.10	"
Summer,	Willis and Parker,	272 1-10	136.05	East side.
"	Elm and Middle,	156 7-10	78.35	West side.
Second,	William and Elm,	37	27.75	"
Thomas,	Maxfield and Sycamore.	204	102.00	"

CONCRETE SIDEWALKS — *Concluded.*

Streets.	Between what Points.	Square Yards.	Cost.	Remarks.
Wing, Water, Willis,	Acushnet ave. and Fourth street, South and Potomska, Cottage and Chestnut, Sundry small repairs,	169 3-10	\$84.65	North side.
		556	278.00	West side.
		42 2-10	21.10	South side.
			32.70	
		5,242 9-10	\$2,703.07	

TABLE No. 5.
CINDER SIDEWALKS.

Streets.	Between what Points.	Length. Feet.	Cost.	Remarks.
Acushnet ave.,	Coffin avenue and Sawyer street,	140	\$8.03	West side.
Atlantic,	Arnold street south,	250	17.02	"
Ash,	Kempton and Mill,	120	5.05	"
"	Hawthorn and Maple,	100	5.30	"
"	Middle and Morgan,	400	25.20	East side.
"	Elm and North,	900	106.05	West side.
Austin,	Asland street and Shawmut ave.,	1,600	100.00	Both sides.
"	Purchase and Pleasant,	180	5.10	South side.
Bowditch,	Weld and Cedar Grove,	200	6.30	East side.
Bonney,	Rockland and Washington,	350	17.45	"
Blackmer,	Water street and Acushnet ave.,	645	54.15	Both sides.
Bay,	Cottage and Borden,	210	10.25	North side.
Coffin ave.,	Purchase street and Acushnet ave.,	1,000	51.35	"
Cedar,	Durfee and Robeson,	1,400	67.75	West side.
"	Parker and Locust,	280	16.75	East side.
"	Austin and Durfee,	360	12.00	"
Cottage,	Clinton and Hawthorn,	500	21.60	"
"	Elm and Kempton,	500	28.95	West side.
Chancery,	Kempton and Hillman,	650	50.15	East side.
"	Parker and Willis,	180	12.00	"
Chestnut,	Parker and Locust,	280	15.53	"
Coffin ave.,	Acushnet ave. and Purchase street,	530	27.90	South side.
Clark,	State and County,	250	27.85	Both sides.
Cedar Grove,	Purchase and County,	250	9.75	South side.
Crapo,	Grimmell and Rivet,	300	14.75	East side.
County,	Weld and Clark,	180	6.75	"

CINDER SIDEWALKS—*Concluded.*

Streets.	Between what Points.	Length. Feet.	Cost.	Remarks.
Clinton, Dartmouth,	Ash and Cottage, Fruit and Rockland,	110	\$6.35	North side.
"	Babbitt street and Dartmouth line,	350	19.85	East side.
Delano,	County street and Acushnet ave.,	400	17.05	West side.
"	First and Water,	110	7.83	North side.
"	Water and Front,	150	6.73	"
Durfee,	Shawmut avenue and Cedar street,	150	5.15	South side.
Drew,	Durfee street south,	350	11.95	North side.
Elm,	Park and Newton,	130	9.40	East side.
Fair, |	Dartmouth and Orchard,	230	12.45	Both sides.
First,	Potomska and Delano,	1,400	88.47	"
"	School and Walnut,	1,200	60.06	"
Front,	Howland and Grinnell,	350	18.50	East side.
"	Hicks and Washburn,	200	7.80	West side.
French ave.,	Cove street south.	190	8.70	East side.
Fourth,	Bedford and Wing,	500	23.80	"
"	Rockland and South,	300	11.65	West side.
Hill,	Mill and North,	110	6.20	East side.
Harrison,	Hickory and Oak,	110	6.35	West side.
Kempton,	Liberty and Florence,	100	5.85	"
Kilburn,	Front and Rock,	900	57.45	South side.
Linden,	Reynolds and Ashland,	200	5.15	North side.
Locust,	Cottage and Chestnut,	210	5.55	"
Maitland,	Cedar street west,	200	15.20	"
Mosher,	County and Crapo,	500	36.75	Both sides.
Middle,	Chauncery and Emerson,	600	29.75	North side.
Newton,	Kempton and Elm,	100	5.10	South side.
North,	Florence and Hunter,	210	14.30	West side.
		100	6.00	North side.

North,	Park and Chancery,	160	6.75	North side.
Ocean,	Arnold street south,	500	34.93	Both sides.
Oak,	Dartmouth and Grape,	460	22.55	North side.
Park,	Arnold and Court,	750	37.95	West side.
"	Kempton and North,	280	10.90	East side.
Pleasant,	Austin and Hazard,	350	15.15	West side.
Parker,	Park and Chancery,	95	6.30	South side.
Potomska,	Second and Fourth,	400	15.85	"
Rivet,	Crapo and Bonney,	120	6.30	North side.
Robeson,	Cedar and Ashland,	380	24.80	South side.
Rockland,	Crapo and Dartmouth,	380	16.90	North side.
"	Fourth and County,	200	13.95	South side.
"	County street and Acushnet ave.,	270	11.00	North side.
Richmond,	Parker and Locust,	380	21.20	East side.
Rockdale ave.,	Hathaway road and Durfee street,	500	55.37	" grade raised.
Summer,	Sycamore and Smith,	150	8.10	"
Second,	Morgan's lane and Griffin street,	100	5.00	"
Shawmut ave.,	Durfee and Austin,	110	5.95	"
"	Durfee and Mt. Vernon,	800	60.55	"
Sawyer,	Purchase street and Acushnet ave.,	500	42.15	North side.
Smith,	Park and Emerson,	180	7.65	South side.
State,	Linden and Penniman,	1,450	107.55	East side.
Thompson,	County and Fourth,	210	6.98	South side.
Water,	Delano and Division,	210	6.45	East side.
Walnut,	Front and Water,	220	18.60	North side.
Weld,	Purchase street and Acushnet ave.,	525	6.00	North side, repaired.
"	County and State,	200	5.10	South side.
Willis,	Emerson and Park,	350	22.55	"
"	Cedar and Cottage,	110	6.50	North side.
		31,055	\$1,841.40	

TABLE No. 6.
PAVING, NEW AND OLD.

Streets.	Between what Points.	Length. Feet.	Cost.	Remarks.
Acushnet ave.,	Union and Weld,	6,500	\$1,785.00	Repaired.
Bedford,	At Borden,		50.50	New square.
"	At County,		26.98	Repaired.
"	At Fifth,		20.00	"
Cottage,	At Elm,		16.98	"
Cedar,	"		44.50	New square.
Elm,	Pleasant and Purchase,	200	19.81	Repaired.
Fourth,	Wing and Grinnell,	530	104.41	"
Fifth,	At Walnut,		24.25	Repaired square.
"	At School,		5.65	"
Front,	Middle and Rodman,	400	20.00	Repaired.
Grinnell,	Water and Prospect,	416	483.78	Repaired, grade raised.
"	At Fourth,		17.90	Repaired square.
Kempton,	Summer street and Rockdale ave.,	3,000	132.28	Repaired.
"	At County,		37.05	Repaired square.
Linden,	State and Reynolds,	300	152.45	Repaired.
Middle,	Water and Front,		15.39	"
"	At County,		24.20	Repaired square.
Purchase,	Kempton and Maxfield,	800	193.78	Repaired.
"	Hazard and Austin,	375	51.40	"
Pleasant,	Elm street and Mechanics lane,	163	141.96	"
Pearl,	Purchase street and Acushnet ave.,	100	10.03	"
Second,	Union and Elm,	700	47.13	"
Spring,	Acushnet ave. and Fourth street,	200	9.98	"
Sixth,	At Madison,		16.50	Repaired square.

Sixth,	At Walnut,		26.50	Repaired square.
"	At Union,		6.30	"
"	At Bedford,		10.05	"
Union,	Purchase and Water,	700	43.07	Repaired.
"	At Fifth,		9.01	Repaired square.
Water,	Fifth and Seventh,	430	2,656.17	New, granite blocks.
Willis,	North and South,	5,250	418.12	Repaired.
William,	Pleasant and State,	160	21.99	"
"	Second and Purchase,	400	60.36	"
	Pleasant and Sixth,	200	39.50	"
		20,824	\$6,742.98	

TABLE No. 7.
FLAGGING, NEW AND OLD.

Streets.	Between what Points.	Length. Feet.	Cost.	Remarks.
Acushnet ave.,	Wing and Grinnell,	623	\$155.10	Repaired, west side.
"	Elm and William,	300	6.65	Repaired, east side.
"	Pearl and Willis,	200	6.45	Repaired, west side.
"	Maxfield and Campbell,	100	7.30	Repaired, east side.
"	Russell and Madison,	250	22.95	Repaired, west side.
Asland,	Durfee and Austin,	100	5.35	Repaired, east side.
Cottage,	Arnold and Union,	150	5.10	"
"	Grove and Hawthorn,	100	6.35	Repaired, west side.
"	Court and Morgan,	200	56.95	"
County,	Smith and Willis,	400	14.46	Repaired, east side.
"	Sherman and Forest,	130	5.30	Repaired, west side.
"	Kempton and Middle,	300	212.13	"
Cedar,	Kempton and North,	300	40.20	Repaired, east side.
"	Parker and Willis,	90	15.10	"
Durfee,	Ashland and Mt. Pleasant,	110	5.38	Repaired, south side.
Dartmouth,	Borden and Cottage,	100	13.30	Repaired, west side.
Elm,	Second and Water,	70	54.15	Repaired, north side.
Eighth,	William and Union,	90	11.10	Repaired, west side.
Fifth,	Madison and Russell,	580	272.77	Repaired, east side.
"	"	50	5.10	Repaired, west side.
Grinnell,	County and Crapo,	400	30.90	Repaired, south side.
"	Prospect and Water,	360	89.70	"
Hillman,	Purchase and Pleasant,	100	5.05	Repaired, north side.
"	Summer and County,	140	20.54	"
Kempton,	Chancery and Emerson,	130	23.55	"

Linden,	County and State,	100	39.24	Repaired, north side.
Middle,	Water and Front,	90	12.45	Repaired, south side.
"	County and Summer,	100	13.45	Repaired, north side.
Mill,	Purchase street and Acushnet ave.,	50	41.75	"
North,	Pleasant and Purchase,	100	5.10	"
Oak,	Pope street north,	80	5.25	Repaired, east side.
Orchard,	Clinton and Madison,	150	18.95	Repaired, west side.
Purchase,	Union and Elm,	180	89.34	Repaired, east side.
Sixth,	Market and Spring,	300	45.33	"
"	William street and Mechanics lane,	150	6.00	Repaired, west side.
Thompson,	County and Crapo,	650	522.77	New, north side.
Union,	Cottage and County,	700	61.22	Repaired, south side.
"	Fifth and Seventh,	400	83.07	"
Water,	South and Delano,	580	73.24	Repaired, both sides.
"	Middle and Elm,	100	5.05	Repaired, west side.
"	Madison and Walnut,	150	13.40	"
Willis,	State and Pleasant,	130	72.70	New, south side.
William,	Purchase and Pleasant,	50	5.00	Repaired, north side.
			9,433	
			\$2,204.18	

TABLE No. 8.
CROSSWALKS, NEW AND OLD.

Streets.	Between what Points.	Length. Feet.	Cost.	Remarks.
Austin,	County and Ashland,	52	\$17.30	Repaired two driveways, south side.
"	"	64	62.27	Three new driveways, north side.
Acushnet ave.,	Grinnell and Howland,	17	15.57	New driveway, east side.
Bedford,	At Anthony,	22	6.75	Repaired, north side.
"	At Fifth,	22	5.70	Repaired, south side.
"	At Sixth,	22	20.40	New, south side.
Bridge square,		167	114.08	New, north side.
County,	At Smith,	44	9.25	Repaired, west side.
"	At Campbell, Pope,	44	36.49	New, west side.
"	Franklin and Robeson,	30	5.00	Repaired.
"	Merrimac and Maxfield,	30	5.00	"
"	At Middle,	44	5.15	Repaired, west side.
"	Hillman and Maxfield,	24	20.05	New driveway, west side.
"	At Thompson,	48	45.53	New, east side.
"	At Walnut,	44	5.00	Repaired, east side.
Campbell,	At Purchase,	67	62.90	New, north side.
"	At Chestnut,	23	24.88	New, north side, and gutter repaired.
Cottage,	At Grove,	22	5.40	Repaired, west side.
"	At Smith,	23	5.10	Repaired, east side.
"	At Morgan,	48	5.15	Repaired, west side.
"	"	24	21.93	New, east side.
"	At North,	22	19.02	"
"	At Elm,	24	19.98	"
Chestnut,	At Campbell,	23	20.22	New, west side.
"	At Willis,	44	39.50	"

Cedar,	At Elm,	48	7.00	Repaired, west side.
"	"	48	6.50	Repaired, east side.
Elm,	At Cottage,	44	12.63	Repaired, south side.
"	"	48	43.58	New, north side.
Emerson,	At Willis,	48	5.60	Repaired, west side.
Front,	Middle and Rodman,	140	133.05	New driveway, west side.
"	At Potomska,	21	20.70	New, east side.
"	South and Potomska,	48	42.18	Two new driveways, east side.
Fourth,	At Potomska,	23	20.97	New, east side.
"	At Wing,	23	20.91	New, west side.
Foster,	Kempton and North,	40	7.40	Repaired two driveways, east side.
Fifth,	At Madison,	44	36.35	New, west side.
Franklin,	At State,	44	8.30	Repaired, south side.
Grimmell,	At Second,	22	6.35	"
"	At Front,	48	35.90	New, south side.
"	At Prospect,	48	36.40	"
"	At Sixth,	48	5.45	Repaired, north side.
Hillman,	At Cottage,	24	23.10	New, south side.
Hawthorn,	Ash and Cottage,	12	10.08	New, north side.
Kempton,	Chancery and Emerson,	20	16.68	New, south side.
Linden,	County and Ashland,	40	36.70	Two new driveways, north side.
"	Linden lane and County street,	20	18.25	New driveway, south side.
Lincoln,	Arnold and Union,	24	5.00	Repaired driveway, east side.
Madison,	At Fifth,	50	46.53	New, south side.
"	"	23	22.15	New, north side.
Mill,	Ash and Cedar,	24	18.80	New driveway, north side.
"	At Cottage,	88	17.25	Repaired, both sides.
"	Hill and County,	22	18.60	New driveway, north side.
Merrimac,	At State,	48	14.10	Raised grade, south side.
Maxfield,	At Cottage,	94	67.70	Two new and one repaired.
"	Foster and Pleasant,	22	8.58	Repaired, north side.
"	"	25	6.50	"
Middle,	At County,	24	6.30	Repaired, south side.

CROSSWALKS — *Concluded.*

Streets.	Between what Points.	Length. Feet.	Cost.	Remarks.
Middle, Mechanics lane	At Cottage, At Pleasant street,	50	\$43.76	New, both sides.
Morgan, North,	At Cottage, "	64	47.35	New, south side.
Orchard, "	Union and Court, Madison and Clinton,	75	59.93	New, both sides.
"	Arnold and Hawthorn, "	23	20.62	New, north side.
"	"	24	5.05	Repaired driveway, east side.
Purchase, "	Linden and Austin, At Campbell,	24	5.50	Repaired driveway, west side.
"	Pope and Franklin, At Acushnet avenue,	24	5.20	"
Pearl, Potomska, "	At Fourth, At Acushnet avenue, At Franklin,	24	20.80	New, west side.
Pleasant, "	At Mechanics lane, At William,	28	24.83	New driveway, east side.
"	State and County, At Shawmut avenue,	24	6.00	Repaired, west side.
Pope, Parker, Rockland, Smith, "	At Fourth, At County, At Cottage, "	22	18.68	New driveway, east side.
"	Hillman and North, At Union, At School, At Union,	44	18.02	Repaired, south side.
"	"	23	20.97	New, north side.
"	"	25	22.50	New, south side.
"	"	44	11.30	Repaired, both sides.
"	"	54	13.50	"
"	"	72	27.50	Repaired, east side.
"	"	24	28.83	Raised grade, and new driveway S. side.
"	"	24	8.23	Repaired, north side.
"	"	23	19.98	New, south side.
"	"	62	54.36	New, north side.
"	"	48	40.67	"
"	"	24	5.30	Repaired, south side.
"	"	22	21.85	New driveway, west side.
"	"	88	10.15	Repaired, both sides.
"	"	44	5.48	"
"	"	44	5.70	Repaired, east side.

Second, Sycamore, State, Thomas, Thompson, Union, " , Weld, William, Water, Wing, " , Walnut,	William and Elm, At County, At Franklin, Maxfield and Sycamore, County and Crapo, At Seventh, Sixth and Seventh, At new engine-house, At Pleasant, Potomska and South, At Fifth, At Sixth, At Fifth,	22 30 44 22 28 44 48 74 96 24 22 44 46	5.75 7.20 8.30 15.75 21.45 5.46 6.00 61.15 17.87 21.65 5.60 7.52 38.30	Repaired, west side. Repaired, north side. Repaired, west side. New driveway, west side. New driveway, north side. Repaired, south side. Repaired crosswalk. New driveway, west side. Repaired, north side. New driveway, west side. Repaired, north side. Repaired, both sides. New, north side.
		3,930	\$2,177.27	

TABLE No. 9.

BANK WALLS BUILT.

Streets.	Between what Points.	Length. Feet.	Cost.	Remarks.
Acushnet ave., County,	Main road and Davis' corner, Linden and Cedar Grove, Sawyer and Purchase,	600	\$73.50	Repaired, east side.
"	Acushnet avenue and O. C. R. R.,	250	20.53	Repaired, east side.
Cedar Grove, Park,	Smith and Parker,	800	102.24	New, east side.
Washington, Wilson,	Bonney and Orchard,	82	28.29	New, north side.
Washburn,	Austin and Durfee, Front street and the river,	337	184.41	New, west side.
		50	11.00	New, south side.
		150	14.06	New, east side.
			15.78	New, south side.
		2,269	\$449.81	

TABLE No. 10.

FENCES BUILT.

Streets.	Between what Points.	Cost.	Remarks.
Acushnet ave. Brigham,	North of Lund's corner, Hawthorn and Allen,	\$36.50 318.20	East side. Both sides.
		\$354.70	

MISCELLANEOUS.

Sundry bills for repairs and supplies furnished the department, not otherwise accounted for,	\$17,816.05
Trimming trees,	98.45
Removing snow and ice,	148.07
Cleaning streets and gutters,	1,413.13
Sanding sidewalks,	151.00
Repairs on steam road roller, crushers, and boilers,	1,898.73
Sundry small repairs on sidewalks,	357.60
Filling holes, ruts, picking up stones, &c.,	365.80
Superintendent's salary,	1,200.00
Assistant superintendent's salary,	800.00
Hostler's salary,	780.00
	<hr/>
	\$25,028.83

RECAPITULATION.

Macadam, new and old,	\$21,191.54
Streets graveled and graded,	20,489.81
Curbing and gutters,	8,310.16
Concrete sidewalks laid,	2,703.07
Cinder sidewalks,	1,841.40
Paving, new and old,	6,742.98
Flagging, new and old,	2,204.18
Crosswalks, new and old,	2,177.27
Bank walls built,	449.81
Fences built,	354.70
Miscellaneous,	25,028.83
	<hr/>
	\$91,493.75

CREDITS.

Appropriation,	\$74,000.00
Special appropriation,	5,000.00
Received for stock, labor, and teaming,	12,508.48
	<hr/>
	\$91,508.48
Expended,	91,493.75
	<hr/>
Balance transferred to incidentals,	\$14.73

INVENTORY OF PROPERTY

BELONGING TO NEW BEDFORD STREET DEPARTMENT,
JANUARY 1, 1888.

23 horses,	\$3,775.00
7 double carts,	1,340.00
6 single carts,	660.00
2 double gears, (one with derrick,)	300.00
1 single gear,	80.00
1 double lumber wagon,	115.00
1 single lumber wagon,	65.00
1 express wagon,	35.00
2 light wagons,	70.00
9 double harnesses,	360.00
8 single harnesses,	144.00
3 lead harnesses,	24.00
3 light harnesses,	48.00
6 horse collars,	10.00
5 steel horse collars,	27.50
16 feed baskets,	10.00
6 stable pails,	4.00
4 tons hay,	80.00
1 ton straw,	15.00
20 bushels grain,	11.50
4 carriage robes,	20.00
24 horse blankets,	15.00
13 six-tined forks,	13.00
5 hay forks,	2.00
4 wheel jacks,	5.00
25 hitching halters,	9.00
8 wagon wrenches,	6.00
8 monkey wrenches,	9.00
20 flat wrenches,	8.00
1 sleigh,	35.00
2 large ash sleds,	250.00
1 harrow,	50.00
2 stone-drags,	5.00
1 plow,	5.00
8 plow points,	7.00
1 two-horse dirt scoop,	9.00
1 road scraper,	200.00
1 street sweeper,	375.00
1 watering cart,	425.00
1 iron road roller,	350.00
1 stone road roller,	100.00

1 steam road roller,	5,500.00
2 stone-crushers,	1,400.00
2 portable boilers and engines,	1,000.00
1 hydraulic jack,	60.00
3 jack-screws,	12.00
1 large key wrench,	4.00
1 socket wrench,	2.00
2 pipe wrenches,	3.00
1 copper hammer,	1.00
4 water casks,	20.00
6 water tubs,	18.00
3 iron vises,	9.00
8 oil-feeders,	3.00
9 oil-squirters,	4.00
1 large ladle for lead,	1.00
3 pairs tongs for stone-crushers,	5.00
2 belt punches,	1.00
1 pair pipe tongs,	2.00
10 cold-chisels,	3.00
2 key sets,	1.00
20 lbs. Babbitt metal,	5.00
10 lbs. zinc,	1.00
Crusher castings,	50.00
50 feet one-inch suction hose,	15.00
125 feet garden hose,	5.00
1 derrick with wheels,	30.00
5 tool-houses,	150.00
5 tool-boxes, (one on wheels,)	25.00
31 sledges,	95.00
47 iron bars,	80.00
6 small stone-hammers,	7.00
18 stone-breaking hammers,	9.00
7 striking hammers,	19.00
8 drilling hammers,	14.00
12 blowing drills,	15.00
75 small drills,	28.00
5 blasting spoons,	2.00
24 stone-chisels,	8.50
9 stone-sets,	5.50
38 stone-points,	35.50
8 spirit levels,	8.00
3 iron squares,	2.00
13 stone-chains,	12.00
1 shackle bar,	2.00
10 stone-tubs,	8.00

5 trowels,	2.50
12 paving hammers,	16.00
12 paving pounders,	30.00
7 old paving brooms,	3.00
11 new paving brooms,	10.00
146 old long-handle shovels,	28.00
68 old short-handle shovels,	22.00
16 old long-handle scoop shovels,	10.00
17 old short-handle scoop shovels,	12.00
45 old hoes,	5.00
123 old pickaxes,	150.00
11 mattocks,	10.00
2 bill hooks,	1.00
2 scythes,	2.00
12 iron rakes,	4.00
15 dirt pounders,	8.00
6 flagging tampers,	7.00
2 pinch-bars,	2.00
2 large cross-cut saws,	10.00
4 hand-saws,	2.00
9 narrow axes,	4.00
4 hatchets,	2.00
3 planes,	2.00
3 rasps,	.50
2 augers,	1.00
2 bitstocks and 6 bits,	2.00
2 screwdrivers,	.50
5 chisels,	2.00
1 drawing-knife,	.50
4 small hammers,	2.00
2 mops,	1.00
1 three-cornered scraper,	.50
6 iron wedges,	4.00
3 steel wedges,	3.00
7 wooden wheelbarrows,	6.00
14 iron wheelbarrows,	90.00
4 tin tunnels,	.50
6 large oil cans,	3.00
8 small oil cans,	4.00
40 lanterns,	35.00
48 red lantern globes,	36.00
11 street horses,	10.00
4 water pails,	.50
6 ladders,	15.00
5 sets blocks and falls,	30.00

1888. SUPERINTENDENT OF STREETS. 31

2 snow plows,	24.00
64 snow shovels,	25.00
8 ice spades,	3.00
3 sand screens,	12.00
1800 bushels beach sand for sidewalks,	90.00
400 bushels mortar sand,	20.00
5 stoves and pipe,	50.00
20 lbs. nails,	.75
4 blocks cast-iron,	3.00
12 bound-stones,	9.00
1000 feet old flagstone,	200.00
88 feet curbing corners,	45.00
389 feet crosswalks,	200.00
500 block paving,	25.00
	<hr/>
	\$19,048.75

TABLE No. 11.

GENERAL SEWERS.

Sewers Built.

Streets.	Between what Points.	Length. Feet.	Cost.	Remarks.
Acushnet ave., No. 4,	Delano and Blackmer,	332	\$287.83	10-inch vitrified pipe.
Allen, No. 2,	Cottage street west,	224	680.86	15-inch " cost inc. by ledge.
Austin, No. 3,	Wilson street and Shawmut ave.,	506	775.24	12-inch vitrified pipe.
Bonney,	Rockland and Grinnell,	1,100	5,590.42	24-inch "
Blackmer,	Second and County,	511	515.62	10-inch "
Coggeshall,	Acushnet ave. and the river,	2,238	5,290.45	18-inch "
Cottage and Arnold,	Union & Arnold, Cottage & Lincoln,	727	1,518.51	12 and 15-inch vitrified pipe.
Chestnut,	Locust street north,	124	169.75	" "
Delano,	County and Second,	375	380.26	12-inch vitrified pipe.
Front,	South and Potomska,	674	886.76	15-inch "
Oak and Grape,	Dartmouth street west,	1,240	14,724.81	Two courses of brick, 54 and 36 inches in diameter; cost increased by large amount of ledge work.
South,	Front street and Acushnet ave.,	750	1,053.15	12 and 15-inch vitrified pipe.
Tremont,	Union street south,	475	1,043.12	10-inch vitrified pipe; cost increased by caving of banks, caused by heavy rain.
Union, No. 2,	From 313 feet west of Park street to Sisson street,	1,650	3,120.95	12 and 15-inch vitrified pipe.
Warwick,	Thompson street north,	274	224.61	10-inch vitrified pipe.
Weld, No. 2,	State street west,	326	805.16	15-inch "
		11,526	\$37,007.50	

TABLE No. 12.
GENERAL SEWERS — *Continued.*
Sand-Catchers Built.

Streets.	Location.	Cost.	Remarks.
County,	West side, at Allen street,	\$227.26	Cost increased by ledge work.
Cedar,	West side, at Morgan street,	133.65	
"	East side, near Austin street,	152.20	
Locust,	South side, at Chestnut street,	153.45	
		\$666.56	

TABLE No. 13.

GENERAL SEWERS — *Continued.**Sand-Catchers, Sewers, and Surface Drains Cleaned and Repaired.*

Description and Location of Work Done.	Cost.
<p>Repaired sand-catcher, Bedford street, west of Fourth; new surface drain, Bowditch street; new surface drain, Coggeshall street, near Howard; relaid surface drain, Purchase street, near Penniman; filled up old culvert, Robeson street, near Cedar; repaired sand-catcher, Kempton street, near Beech; new surface drain, Orchard street, near Grinnell; repaired culvert, Kempton street, near Rockdale ave.; repaired surface drain, Weld street, near Bowditch; repaired stone drain between Purchase street and Acushnet avenue, across O. C. R. R. property; new iron man-hole frame, County, at William street; new iron man-hole frame, School and County streets; repaired sand-catcher, Purchase and Hazard streets; repaired eye-hole, Dartmouth street, near Fair; repaired culvert, French avenue; filled dock at foot of Middle street; repaired sand-catcher, Mill and Hill streets; carted pipe to lot; repaired sand-catcher, County street, at Penniman; repaired sand-catcher, Hillman street, at Cedar; repaired sand-catcher, Sycamore street, at Pleasant; repaired sand-catcher, Parker street, at Shawmut avenue; repaired sand-catcher, Coffin street, at Water; repaired sand-catcher, Purchase street, at Pope; built sea-wall at foot of Middle st.; repaired sand-catcher, Howland street, at Grinnell; repaired eye-hole, Potomska street, near Rockland; carted castings to lot; repaired eye-hole, Water street, at Cove; repaired eye-hole, Purchase street, at Clark; repaired eye-hole, Acushnet ave., near Howland street; repaired eye-hole, Rivet and First streets; repaired sand-catcher, Rivet street, at Second; repaired sand-catcher, Fourth and Grinnell streets; repaired sand-catcher, Clark street, near State; repaired sand-catcher, Maxfield and Walden streets; repaired sand-catcher, Hillman street, near Foster; repaired sand-catcher, Durfee street, near Mt. Pleasant; repaired sand-catcher at Sycamore and Thomas streets; new surface drain, Acushnet ave., north from Cannon street; repaired sand-catcher, Kempton street, at Chestnut; bank-wall at foot of Bonney street; filling dock at foot of Howland street; Purchase street sewer, between Pope and Franklin streets, taken up and laid deeper; Washburn street sewer, between Acushnet ave. and the river, taken up and laid deeper; extension of Pearl and Willis street sewers from O. C. R. R. east; repairing Hart & Akin's wharf, where sea-wall fell into dock after dredging,</p>	<p>\$18,008.22 1,403.96 \$19,412.18</p>

Cleaning sand-catchers,

RECAPITULATION.

Sewers built,	\$37,067.50
Sand-catchers built,	666.56
General repairs,	18,008.22
Sand-catchers cleaned,	1,403.96
	<hr/>
	\$57,146.24

INVENTORY OF PROPERTY

BELONGING TO NEW BEDFORD SEWER DEPARTMENT.

2 large tool-houses on wheels,	\$360.00
10 mortar boxes,	10.00
1 derrick,	15.00
2 sets blocks and falls,	15.00
4 lanterns,	3.50
2 oil cans,	1.50
2 large pumps, with suction hose,	120.00
150 feet large hose,	15.00
5 sledges,	15.00
6 striking hammers,	18.00
5 drilling hammers,	9.00
34 blowing drills,	28.00
31 small drills,	9.00
10 lbs. backing and wedges,	3.00
3 blasting spoons,	2.00
12 lbs. powder,	2.00
3 powder cans and 2 tunnels,	2.00
300 feet fuse,	3.00
2 small chains,	1.50
4 stone-chains,	5.00
3 chains, with ropes,	2.50
11 iron bars,	15.00
10 iron wedges,	6.00
16 stone-chisels,	4.50
6 stone-points,	2.00
136 old long-handle shovels,	45.00
14 old short-handle shovels,	4.00
8 old hoes,	1.00
73 pickaxes,	80.00
7 mattocks,	6.00
1 trowel,	.50
1 monkey wrench,	.50
2 dirt-pounders,	1.00

1 tampering iron,	1.50
3 axes,	2.00
1 hatchet,	.50
1 bitstock and bit,	1.00
2 hand-saws,	2.00
13 old wooden pails,	1.00
3 water pails and dippers,	1.00
1 oil squirter,	.50
1 coil line,	1.00
1 ball spunyarn,	.50
20 lbs. nails,	.75
30 arches and forms,	95.00
1000 feet old spruce plank,	8.00
800 feet oak plank, sand-catcher covers,	60.00
5 sets castings for man-holes,	75.00
2 granite scuttle stones,	30.00
5 throat stones,	15.00
12 feet 6-inch vitrified pipe,	3.00
6 feet 10-inch “	1.95
20 feet 12-inch “	8.50
722 feet 15-inch “	451.25
34 feet 18-inch “	28.90
16 feet 20-inch “	18.00
12 feet 24-inch “	19.50
20 10-inch Ys and Ts,	29.30
11 12-inch Ys and Ts,	21.07
	<hr/>
	\$1,681.72

NEW BEDFORD AND FAIRHAVEN BRIDGE.

John F. Aiken, draw-tender,	\$24.19
John B. Nicholson, draw-tender,	575.81
Greene & Wood, lumber,	177.05
Thomas Hersom, salt,	.75
Sturtevant & Parker, paint and labor,	22.98
Henry L. Pitman, labor,	1.25
New Bedford Street Department, stock and labor,	77.53
T. S. Corson, coal,	4.85
William F. Nye, oil,	5.20
DeWolf & Vincent, hardware,	4.39
S. B. Skiff, iron-work,	.75
Job Almy, stock and labor,	3.40
Jethro Hillman, stock and labor,	453.80
Tillinghast & Terry, lumber,	33.47
John B. Nicholson, rope and oil,	4.99
Smith & Gurney, iron-work,	18.42
S. A. Tripp, oiler, and fitting pipe,	1.77
E. B. Macy, iron-work,	8.60
N. B. Machine Co., fitting iron-work,	13.88
John A. Sawyer, iron-work,	2.00
Jonathan Handy, lag screws,	.80
William A. Tillinghast, lumber,	14.47
N. P. Sowle, lumber,	2.31
Edmund Grinnell, castings for draw,	566.73
Abram Chase, stock and labor,	1,037.16
E. Anthony & Sons, advertising draw closed,	4.34
Mercury Publishing Co., advertising draw closed,	3.38
David Duff & Son, coal,	1.00
Garfield & Proctor, teaming,	2.78
James D. Driggs, iron-work,	100.00
George S. Bowen & Son, brooms,	3.00
John McCullough, use of chain,	1.00
Pay-roll,	178.94
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	\$3,350.99

CREDITS.

Appropriation,	\$1,000.00
Special appropriation,	2,200.82
Transferred from unappropriated funds,	150.17
	<hr/>
	\$3,350.99

1888—CITY DOCUMENT No. 11.

R E P O R T

OF THE

B O A R D

OF

OVERSEERS OF THE POOR

OF THE

City of New Bedford,

FOR THE YEAR 1887.

NEW BEDFORD :

E. ANTHONY & SONS, CITY PRINTERS.

1888.

IN BOARD OF ALDERMEN,
January 26, 1888.

Received, ordered printed in the City Documents, and
sent down for concurrence.

D. B. LEONARD,
City Clerk.

IN COMMON COUNCIL,
1 mo. 26, 1888.

Concurred.

WM. A. MACKIE,
Clerk.

1887.

Members of the Board.

CHARLES B. H. FESSENDEN.
JONATHAN HOWLAND, JR.
GEORGE S. HOMER.

Officers of the Board.

C. B. H. FESSENDEN,
Chairman and Secretary.
ELLA F. BUCKLYN,
Clerk.
JAMES H. KINGMAN, M. D.,
Physician to the Board.
PELEG S. MACY,
Superintendent of the Alms-house.
REV. GEORGE T. FLANDERS,
Chaplain at the Alms-house.
HENRY R. WILCOX,
Superintendent of Wood and Coal Yard.

REPORT.

To his Honor the Mayor, and the City Council of New Bedford:

The Board of Overseers of the Poor, created under an act of the Legislature passed June 22, 1886, present this their first annual report.

The act alluded to made no other change in the management of the department than the reduction, by one-half, of the members of Overseers, and the making these appointive instead of elective.

The members of the new Board were nominated by the Mayor and confirmed by the City Council in convention, on the 23d day of December, 1886, for one, two, and three years, respectively, from the first day of May in that year; and on the third day of January, 1887, they met in their office in City Hall and organized for the year by the election of C. B. H. Fessenden as Chairman and Secretary, and other officers as follows: Dr. James H. Kingman, Physician to the Board; Ella F. Bucklyn, Clerk; Peleg S. Macy, Superintendent of the Alms-house; Rev. George T. Flanders, Chaplain at the Alms-house; and Henry R. Wilcox, Superintendent of the Wood and Coal Yard.

The following committees were appointed: On purchases, George S. Homer; on Alms-house, Jonathan Howland, Jr.; on relief, C. B. H. Fessenden.

The tables appended and made a part of this report show something of what has been accomplished during the first year of trial. It was expected that some saving would be made in running the department, and this has been done,—done, too, we are confident, without any improper denial of aid, or any unjustifiable curtailment of relief which had been extended. No aid has been with-

held or diminished until a thorough investigation by the Secretary of the circumstances of the applicants or recipients warranted it. And while we are sure that no suffering has resulted from the refusal of help or a reduction of the dole, we have reason to believe that in some instances applicants have received something better than they asked in the lessons of self-reliance and self-respect which they have learned. The aim has been not so much to save money as to save men, women and children from the clutch of the pauper spirit to which they are exposed. Something, we believe, may be done to weaken the hold of that spirit, to release some of its victims and save others from becoming such.

How to do this work effectually is a puzzling problem. It is hardly yet settled that the abolition of the system of public out-door relief will solve it, though we confess that the experience of some cities which have tried it points in that direction. One thing is indisputable, that the system of out-door relief as now administered is rapidly increasing pauperism, and should at once be reduced to its minimum. Relief should be afforded only as a temporary help to the sick or debilitated, or to women with dependent children. A man able to work and willing to work should be helped to work; but one able and unwilling should be forced to labor. We hope to see the time when the law which now sends to the House of Correction for thirty or sixty days, for some petty offence, a husband or father, the sole breadwinner of a family, shall be so amended as to put the prisoner to work during his incarceration, and secure a part, at least, of the avails of his labor for the support of wife and children now forced to become paupers.

Much may be done in lessening the evils of public out-door relief by the cooperation with the Poor Department of private charitable organizations. We cheerfully ex-

press our sense of the value of such cooperation in this city, though aware how far short it falls of what was hoped and expected by those who inaugurated it. To make the Association of Charities thoroughly effective, it should include all organizations engaged in charitable work, and through such organization should flow all individual alms. More harm than help often comes from alms given with no knowledge in the giver of the needs of the recipient, bestowed to get rid of an importunate beggar, through fear of being stigmatized as mean, or from a mere impulse, however generous. The associations do a work that individuals rarely think of doing, if they have time for it, and that is to investigate each case calling for assistance, and then to proportion the aid to the need. Those charged with the responsibility of administering such charity, or of giving out the city relief, are painfully conscious that sometimes they are grossly deceived and led to help those wholly undeserving; but the process of inquiry sooner or later discloses the deception, while without such inquiry the most necessitous and meritorious cases might be overlooked.

Not a few of those applying for temporary aid from the city during the Winter months are willing to work, but complain of inability to get employment. To a large extent the complaint is well founded. Some fail from lack of energy and push, others cannot find jobs that they can do, and a considerable number, who grumble at their hard luck, never accept any work offered. The department can do nothing in the way of furnishing employment, save orders for sawing and splitting wood at the city yard. For the year just closed orders were issued for sawing and splitting about one hundred cords, the work being paid for by orders for groceries or fuel. The Board respectfully suggests that hereafter the contract for wood should require that deliveries be made early in the Fall, that its

preparation may furnish employment for the poor when they most need it.

The city Alms-house remains under the superintendency of Mr. Peleg S. Macy, who took charge of it in the Fall of 1878, on the resignation of the place by the late Earl C. Briggs, after a service of nearly a third of a century. The average number of inmates has varied but little during the last decade, nor has the character of those admitted or discharged materially changed. Few, comparatively, enter the institution with the idea of making it a permanent home. For the most part, it is a Winter residence of the old and decrepit poor, who leave it as Spring opens or a chance for self-support offers in the city, and of those who seek it as a place of temporary rest, or to recover from disease. The gross yearly expense of maintaining the institution has fluctuated from \$9,030.30 in 1878 to \$13,870.91 in 1882, and thence to \$11,711.03 in 1887. The Board is satisfied that under the system which has so long obtained in managing the Alms-house, and which has been sanctioned and approved by so many boards of overseers, the Superintendent has done his best to reduce the expenses. Of his superior qualifications for the post, gained in his considerable service as an overseer of the poor and then as secretary, and his ten years' experience in his present place, there is no question. We feel sure of his hearty cooperation in any proper effort to increase the efficiency of the Alms-house as a means of poor-relief, and to lessen the cost of running it. To accomplish this is no easy matter, but there is in the Board a purpose to try to effect it and a hope of success.

Respectfully submitted.

C. B. H. FESSENDEN,
GEO. S. HOMER,
J. HOWLAND, JR.

FINANCIAL STATEMENT FOR 1887.

DR.

To amount of annual appropriation,	\$35,000.00
Received from support of paupers by State,	2,535.89
Received from cities and towns,	2,562.55
For board of soldiers,	464.00
For board of lunatics,	1,232.09
From Treasurer, due Committee on Relief,	300.00
Miscellaneous,	79.00

City Alms-house credits :

Amount from Fire Department,	\$833.45	
Sale of produce,	110.00	
Truant school,	1,464.62	2,408.07
		<u>\$44,581.60</u>

CR.

By amounts expended as per monthly audits, as follows :

MONTHS.	Outside Relief.	Lunatics and State Reform.	Cities and Towns.	Alms-house.	Total.
January,	\$2,532.16	\$1,989.09	\$335.46	\$637.76	\$5,494.47
February,	2,251.88			989.61	3,241.49
March,	1,852.95		297.15	1,061.44	3,211.54
April,	2,006.72	1,941.15	173.87	780.75	4,902.49
May,	1,185.62			916.42	2,102.04
June,	1,437.45		18.00	1,097.10	2,552.55
July,	2,070.49	2,208.21	135.64	955.75	5,369.49
August,	2,288.52		110.65	891.18	3,290.35
September,	1,335.37			725.92	2,061.29
October,	1,254.70	2,037.46	24.00	1,102.25	4,418.41
November,	1,315.92		96.60	852.34	2,264.86
December,	1,959.37		48.10	1,700.51	3,707.98
Total,	\$21,491.15	\$8,175.91	\$1,238.87	\$11,711.03	\$42,616.96

Balance to credit, \$1,964.64.

DETAILED EXPENDITURES FOR OUTSIDE RELIEF, 1887.

MONTHS.	Groceries.	Matric Hospi- tals, &c.	Cities and Towns.	Cash Orders.	Salaries and Travel.	Physician and Medicines.	Stationery and Printing.	Burials.	Boots and Clothing.	Transporta- tion.	Horse-hire, &c.	Office Expenses.	Rents.	Board Outside.	Wood and Coal Yard.	Miscellaneous.	Total.
January,	\$978.75	\$1,089.09	\$335.46	\$256.71		\$138.00	\$49.74	\$111.50	\$4.00	\$1.80	\$24.00	\$10.50	\$12.00	\$91.35	\$770.61	\$3.00	\$4,856.71
February,	1,413.00			200.55	\$244.00	145.50	26.50	75.00	19.10	55.30		5.13	4.00	4.00	63.80		2,251.88
March,	932.76		287.15	248.50	124.99	135.00		138.00		64.30		5.00	27.00	19.50	157.90		2,150.10
April,	1,035.00	1,941.15	173.87	171.00	127.26	135.00	13.40	226.00	33.12	3.75	3.00	6.00		93.00	169.19		4,121.74
May,	606.44			169.00	127.38	135.00		51.00	4.85	17.20		7.35	24.00	15.00	50.65		1,185.62
June,	744.00		18.00	172.00	127.51	135.00		61.00	4.15	21.90				36.00	101.54	3.00	1,455.45
July,	773.75	2,208.21	135.04	155.00	124.99	135.00		98.00	1.25	17.20			14.00		756.15	9.15	4,413.74
August,	952.50		110.65	162.00	128.31	135.00	13.50	103.50		29.17					740.54	10.00	2,399.17
September,	751.50			134.00	133.47	135.00		80.25		44.95		.45	27.00		26.75	2.00	1,335.37
October,	625.00	2,037.46	24.00	172.00	125.65	138.00		132.00	2.87						59.18		3,316.16
November,	729.50		96.60	138.00	125.88	135.00	2.50	46.00	4.65	5.20		.60	6.00	31.50	91.09		1,412.52
December,	1,072.00		48.10	138.00	424.51	135.00	5.92	43.00	15.55	1.00			24.00		97.54	2.85	2,007.47
Total,	\$10,614.20	\$8,175.91	\$1,238.87	\$2,116.76	\$1,813.95	\$1,636.50	\$111.56	\$1,165.25	\$89.64	\$341.77	\$27.00	\$35.03	\$134.00	\$290.35	\$3,084.94	\$30.00	\$30,905.93

OVERSEERS OF THE POOR.

11

DETAILED EXPENDITURE AT THE ALMS-HOUSE.

MONTHLY AUDIT.	Flour & Grain.	Dry Goods and Clothing.	Beer.	Groceries, etc.	Shoes, Hats, and Leather.	Furniture and Crockery.	Hardware.	Fuel.	Repairs, etc.	Repairs of Carriages.	Wage, Labor and Nursing.	Medicines, etc.	Oils, Paints, etc.	Miscellaneous.	Totals.
January,	\$98.96	\$20.02	\$57.75	\$20.29	\$39.65	\$8.21	\$4.52		\$10.35	\$2.00	\$344.11	\$11.50	\$11.40		\$637.76
February,	135.68		117.24	221.13	1.25	84.00		\$112.23			312.83			\$5.25	989.61
March,	117.23	29.31	81.09	210.60	16.37	17.57	65.53	5.84	114.83	7.50	318.36	53.11	11.60	12.50	1,061.44
April,	129.50	17.75	89.44	136.39	25.10	19.45	30.75		6.37		319.50			6.50	780.75
May,	114.72	70.67	105.16	140.85	7.55	47.00	87.09			14.52	321.36			7.50	916.42
June,	79.49	9.43	106.05	152.93	6.00	73.17	95.51	8.38	84.35	127.52	316.52	25.05	5.85	6.85	1,097.10
July,	100.65	12.38	107.71	148.86	28.70		16.16	31.28	16.48	10.25	435.31	42.72	5.25		955.75
August,	126.33	8.60	101.37	101.23	13.40		13.45	12.29			321.36	2.00		191.25	891.18
September,	136.54		90.95	91.87	14.90		5.84	28.35	24.16	23.51	306.50		3.30		725.92
October,	168.30	38.50	89.46	219.36	4.00		19.68	102.54	124.15		333.36		2.00	.90	1,102.25
November,	188.20	26.49	84.30	131.40	18.75		1.13	78.57			316.50		7.00		852.34
December,	235.00	78.16	108.26	151.10	61.76	13.59	70.81	101.73	79.33	47.60	315.38	62.33	7.75	367.71	1,700.51
Total,	\$1,630.50	\$311.31	\$1,138.78	\$1,735.01	\$237.43	\$262.99	\$410.47	\$481.21	\$460.02	\$232.90	\$3,961.09	\$196.71	\$54.15	\$598.41	\$11,711.03

STATISTICS OF OUTSIDE RELIEF.

Gross cost of relief of persons outside of Alms-house, in 1887,	\$30,905.93
Receipts,	7,173.53
Net cost,	<u>\$23,732.40</u>
Paid for support of persons chargeable to this city, in State Lunatic Asylums and Reformatories, and in other cities and towns,	<u>9,414.78</u>
Leaving as net expenditure in relief of poor residing here, including State paupers and those chargeable elsewhere in the State,	<u>\$14,117.62</u>
Number of families relieved during the year,	607
Having settlement here,	340
Having settlement elsewhere,	79
State paupers,	188
Number of persons relieved,	1,517
Having settlement here,	males 283, females 545
Having settlement elsewhere,	“ 82, “ 138
State paupers,	“ 235, “ 234
Average yearly expense of each family relieved,	\$23.25
Average yearly expense of each person relieved,	\$9.30

TRANSPORTATION.

Number of families sent to their homes,	21
Number of persons sent to their homes,	40
Number of persons sent to Tewksbury Alms-house,	31

BURIALS.

Males, 65; females, 53; total,	118
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INSANE.

Number of insane persons at asylums during the year:	
Males, 26; females, 26; total,	52
Remaining at city's expense, Dec. 31, 1887,	47

IN STATE REFORM SCHOOLS.

Number supported during the year, (all males,)	4
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PAUPERS HELPED IN OTHER CITIES,

But having settlements here, (exclusive of lunatics and inmates of State reformatories,)	families 28, persons 69
Amount of bills paid in 1887 for their support,	\$1,238.87

ALMS-HOUSE REGISTER.

Months.	Admitted.	Discharged.	Remaining.
January,	6	6	64
February,	7	1	70
March,	4	9	65
April,	5	11	59
May,	4	7	56
June,	5	7	54
July,	5	7	52
August,	4	4	52
September,	3	5	50
October,	2	3	49
November,	10	3	56
December,	9	3	62

Whole number during the year,	130
Discharged during the year,	66
Remaining, December 31, 1887,	62
Average number,	57
Number of deaths during the year,	11
Males, 7; females, 4.	
Number sent to Tewksbury from Alms-house,	2

WORK-HOUSE REGISTER, 1887.

Whole number remaining, December 31, 1886, 20.

Months.	Admitted.	Discharged.	Remaining.
January,	1	0	21
February,	2	3	20
March,	1	5	16
April,	5	3	18
May,	1	2	17
June,	2	4	15
July,	3	2	16
August,	2	2	16
September,	1	3	15
October,	2	3	13
November,	2	2	13
December,	1	3	11

Whole number during the year,	43
Discharged during the year,	32
Remaining, December 31, 1887,	11
Average daily number for the year,	15

TRUANT SCHOOL REGISTER, 1887.

Whole number, December 31, 1886, 12.

Months.	Admitted.	Discharged.	Remaining.
January,	0	0	12
February,	1	2	11
March,	1	2	10
April,	3	0	13
May,	5	0	18
June,	0	3	15
July,	0	0	15
August,	0	3	12
September,	0	0	12
October,	0	0	12
November,	0	0	12
December,	1	2	11

Whole number during the year,	23
Discharged during the year,	12
Remaining, December 31, 1887,	11
Average daily number for the year,	13

FARM PRODUCTS, 1887.

Hay,	90 tons.
Straw,	7 "
Oats,	200 bushels.
Corn,	107 "
Potatoes,	365 "
Beets,	125 "
Carrots,	112 "
Onions,	25 "
Dried beans,	6 "
String beans,	7 "
Peas,	8 "
Turnips,	40 "
Pumpkins,	1,500 pounds.
Squashes,	1,000 "
Sweet corn,	290 dozen.
Cabbages,	325 heads.
Milk,	25,770 quarts.

ALMS-HOUSE CREDITS, 1887.

From Fire Department,	\$833.45
Sale of produce,	110.00
Truant school,	1,464.62
	<hr/>
	\$2,408.07

SUMMARY.

Gross expense for the year,	\$11,711.03
Credits,	2,408.07
	<hr/>
	\$9,302.96

Average yearly expense of each inmate, including an average of 28 criminals and truants,	\$109.44
Average monthly expense,	9.12
Average weekly expense,	2.28

ANNUAL REPORT OF THE PHYSICIAN TO THE BOARD.

OFFICE OF THE PHYSICIAN TO THE BOARD,
Jan. 20, 1888.

Gentlemen : — The report of your physician for the year 1887 covers the period from January 4 to December 31st, inclusive. During that period orders for medical attendance have been received to the number of 268. The number of different individuals receiving treatment cannot be stated, as in a very large proportion of cases one order included the whole family, several of its members being ill.

These cases have required 1,684 visits at their homes, and there have been made 592 office visits. One hundred and four visits have been made to the Alms-house.

The gross cost of medical supplies and medical attendance has been \$1,636.50.

There have been only two births. This small number of births may perhaps be accounted for in two ways: 1. The disinclination in such cases to call upon the city, which is, your physician is led to believe, quite marked. 2. These patients being in the prime of life, are usually more able to provide for themselves than people more advanced in life.

There have been 42 deaths. Of these 11 were at the Alms-house, or over 25 per cent. Of these 11, seven were males and four were females. Of the 31 deaths among outside patients, there were 17 males, 13 females, and one infant whose sex I am unable to give.

The comparatively large number of deaths may perhaps be accounted for as follows :

1. The large majority of patients applying to the city may be divided into three classes :

(a.) The exceedingly young.

(b.) The old and decrepit.

(c.) Sufferers from incurable diseases.

The death rate among such patients would of necessity be very much larger than among the middle-aged and robust.

2. Other and perhaps more decided reasons for the apparently large death rate among this class of people are :

(a.) The wretched hygiene.

(b.) The deplorable sanitary surroundings.

(c.) The limited intelligence.

In one month (June) there were no deaths. In two (April and September) there were six each. January and March were the months of greatest illness ; May and November the months of least illness.

Old age leads the list among the causes of death with 9 ; phthisis comes next with 8. These two thus furnished over 40 per cent. of all the deaths.

Your physician is led to believe that, taking into consideration all the circumstances under which they live, the poor of New Bedford are free from sickness to a very gratifying degree.

Thanking the Board for its uniform kindness and for the many favors received at its hands, your physician closes his report.

JAMES H. KINGMAN, M. D.,
Physician to the Board.

1888—CITY DOCUMENT No. 12.

REPORT

OF THE

SUPERINTENDENT OF BURIAL GROUNDS

OF THE

City of New Bedford,

FOR THE YEAR 1887.

NEW BEDFORD :

E. ANTHONY & SONS, CITY PRINTERS.

1888.

IN BOARD OF ALDERMEN,
April 11, 1888.

Received and ordered printed in the City Documents,
and sent down for concurrence.

D. B. LEONARD,
City Clerk.

IN]COMMON COUNCIL,
4 mo. 12, 1888.

Concurred.

WM. A. MACKIE,
Clerk.

R E P O R T.

To the Hon. Morgan Rotch and the City Council of New Bedford:

The Superintendent of Burial Grounds, as required by the city ordinances, hereby submits his first annual report.

When elected to the office last year I found four grounds under my charge, — Oak Grove and Rural, with Pine Grove at the Head-of-the-River, and the old unused ground on South Second street.

I found the avenues in the two first named cemeteries in very poor order; those in Oak Grove, on the side hill, washing out with every storm.

3000 yards of paved gutters have been laid in both cemeteries, which carry the water on the sloping avenues.

2483 yards of concrete drives and walks have been laid, and macadamizing done in various parts of the two grounds.

In the extension at Oak Grove, about one-half of the five acres bought has been thoroughly cleared of stones and stumps and laid out in suitable sections and lots, and part of them already sold. This year should see a faced wall built across the east end, and in time a suitable arched gate of stone be built for an entrance from Shawmut avenue.

800 feet of water mains, with suitable hydrants and hose, have been put into Rural cemetery, and the coming season should see the same put into Oak Grove.

At Pine Grove a public tomb has been built at an expense of \$671.51, the bushes and undergrowth have been cleared, and the driveway from the main road put in order.

The old ground on Second street is unused, and wild laurel runs over the whole ground. It has been cut over twice last season, and is a constant bill of expense, with no hope of remedying the evil. I would recommend that the remains be removed and the ground sold.

Lots to the value of \$2220 have been sold in Oak Grove cemetery from April 14, 1887, to Jan. 1, 1888, and in Rural cemetery \$1330 have been received for lots for the same length of time.

April 14, 1887, the number of "perpetual care" lots was 52. Jan. 1, 1888, the number was 71; a gain of 19. On these lots the accumulated interest, April 14, 1887, was \$614.98. Of this, \$124.53 was expended in Rural, and \$51.45 in Oak Grove, making a total of \$175.98, the number of these lots being greater in Rural than in Oak Grove cemetery. Iron signs with the raised letters "Perpetual Care" have been put in each lot.

Five men were kept constantly at work on the avenues, clearing, from May 1 to Nov. 1, 1887.

The number of interments from April 1, 1887, to Jan. 1, 1888, were: Oak Grove 215, Rural 170; a total of 385. A record of all interments, with the name of the person buried, age, last residence, whose lot buried in, and the number of the grave, is now kept by me in suitable books prepared for this purpose.

Respectfully submitted.

WILLIAM SANDERS,
Superintendent.

ORDINANCE.

In the Year One Thousand Eight Hundred and Eighty-Seven.

AN ORDINANCE

IN RELATION TO THE DONATION OF JONATHAN BOURNE
TO THE SCHOOL COMMITTEE OF THE CITY OF NEW
BEDFORD.

*Be it ordained by the City Council of the City of New
Bedford, as follows :*

SECTION 1. The donation of Jonathan Bourne to the School Committee of the City of New Bedford, amounting to one thousand dollars (\$1000), is hereby accepted as a loan from said Committee and declared to be a permanent investment, to be forever designated as the Jonathan Bourne Prize Fund.

SECTION 2. The investment set forth in the preceding section shall bear interest at the rate of six per centum per annum ; and the City Treasurer shall compute the interest as aforesaid upon said investment on the first day of July of every year, and place the same to the credit of the Sub-committee on the High School for the time being, who are the Trustees of said Fund.

SECTION 3. The income of said fund, thus placed to the credit of said Trustees, shall be expended by them strictly in accordance with the object and interest of the donor. In the annual report of the School Committee there shall be made a statement in detail of the expendi-

tures made by said Trustees under the authority contained in this section.

SECTION 4. All payments from the income of said fund shall be made upon the order of the Chairman of said Trustees, drawn upon the City Treasurer, and shall contain a schedule of the several demands included therein, with the amount and character of each. Said order shall be audited in the usual manner by the Committee of the City Council, and paid upon the warrant of the Mayor.

SECTION 5. Provision shall be made in the order for the annual city appropriations for the interest that may accrue upon said fund, and the amount appropriated shall be included in the item of appropriation for the payment of the principal and interest of the public debt.

IN COMMON COUNCIL,
October 13, 1887.

Passed to be ordained.

WM. A. CHURCH, President.

IN BOARD OF ALDERMEN,
Nov. 2, 1887.

Passed to be ordained.

MORGAN ROTCH, Mayor.

Approved Nov. 3, 1887.

MORGAN ROTCH, Mayor.

A true copy. Attest:

DANIEL B. LEONARD,
City Clerk.



